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ABSTRACT

Compiled are abstracts and indexes to selected print and non-print materials related to wastewater treatment and water quality education and instruction, as well as materials related to pesticides, hazardous wastes, and public participation. Sources of abstracted/indexed materials include all levels of governmental, private concerns, and educational institutions. Title, author(s), publication date, cross-references, descriptors, and availability are provided for each entry. Procedures are outlined by which instructors and curriculum developers in the water quality control field can locate instructional materials to meet very general or highly specific requirements of their programs. Also included are an author and subject index. This publication supplements and does not replace "Water Quality Instructional Resources Information System (IRIS): A Compilation of Abstracts to Water Quality and Water Resources" or IRIS Supplements 1-25. (ML)

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Prepared by

Environmental Quality Instructional Resources Center
SMEAC Information Reference Center
The Ohio State University
1200 Chambers Road, Room 310
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ED274511

WATER QUALITY INSTRUCTIONAL RESOURCES INFORMATION SYSTEM (IRIS)

A Compilation of Abstracts to Water Quality and Water Resources Materials

Supplement 26, 1986

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

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SE 047 197

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TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

July, 1986

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Preface

This publication contains abstracts and indexes to selected materials related to wastewater treatment and water quality education and instruction. In addition, some materials related to pesticides, hazardous wastes, and public participation are included. Also included are procedures to illustrate how instructors and curriculum developers in the water quality control field can locate instructional materials to meet very general or highly specific requirements in their programs.

Supplements to this publication will be issued periodically.

For further information about these materials contact:

Environmental Quality Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212

(614) 422-6717

I. General Information about Materials in IRIS.

A. What types of materials are included in IRIS?

The Environmental Quality Instructional Resources Center acquires, reviews, indexes, and announces both print (books, modules, units, etc.) and non-print (films, slides, video tapes, etc.) materials related to water quality and water resources education and instruction.

Materials selected must be available from some source for announcement. When materials are not readily available we attempt to make the materials available through some national information service for easier acquisition. In a few cases the Environmental Quality Instructional Resources Center is the source of the materials.

B. How are materials entered into IRIS?

We request that people assist us in locating materials for the system. If you have materials you believe to be useful to others, please send two copies if possible to the:

Environmental Quality (EQ) Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212

Materials are reviewed by the project staff. Availability of the materials is checked, and the materials are abstracted and indexed. The abstract describes the contents of the material. The index terms (descriptors) are concepts or terms used to describe the contents and the form of the document. (See the Subject Index for a listing of those that have been used.) The index terms are useful for locating materials manually, such as with this supplement, and also by computer.

When items are processed they are entered on the IRIS (water) computer tape. This tape is maintained by the EQ Instructional Resources Center at The Ohio State University and is used for producing tapes for other information systems, publications, and for computer searches conducted at The Ohio State University.

C. How can a user locate materials in IRIS?

1. All materials placed in IRIS (water) collection.

Materials entered into the IRIS (water) collection can be located in two ways: (1) by manual search of the 1983 compilation and supplements that follow and (2) by computer.

The compilation produced in 1983 includes the original IRIS (1979) and Supplements 1-15. It is available for $75.00.

Quarterly updates of the compilation are available by subscription on a yearly basis. Information regarding an annual subscription to IRIS (water) Quarterly Compilations can be obtained by writing to the EQ Instructional Resources Center. A subscription to the quarterly supplements for 1985 is $12.00 (within the U.S.). Price to Canada and Mexico is $14.00. Prices in other Countries is $18.00. Separate quarterly supplements are $5.00 each.

The compilation and the quarterly supplements can be scanned and the subject index can be used for manual searches.

Computer tapes of the IRIS (water) collection can also be searched. The IRIS tapes are available for searching at The Ohio State University and will again be available for computer searching at other sites in the future.

2. Materials placed in the Educational Resources Information System (ERIC)

A number of the materials processed for the IRIS (water) system are entered into the ERIC system and announced in Resources in Education (RIE). Resources in Education (RIE) is published monthly and is available from:

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402
(202) 783-3238

The current price is listed in the most recent issue of RIE. Check if a college or university library close to you has a copy. If they do not, contact the EQ Instructional Resources Center for assistance.

Many libraries subscribe to RIE. Materials announced in RIE can be searched manually each month by scanning RIE or by checking the index terms in the back of each issue. Materials announced in RIE can be searched by computer also. ERIC computer tapes may be purchased outright, but users can access them through Dialog, BRS, CompuServe and Systems Development Corporation (Orbit). For the address of search services in your state that can search these databases, contact the:

EQ Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212
(614) 422-6717

Most of the materials announced in RIE are available on microfiche (microfilm) at over 700 sites throughout the United States and the world. Users can view these materials on site at many locations to identify what they believe will be useful to them at no cost. Microfiche copies (or in most cases Xerox copies) can be ordered through the ERIC Document Reproduction Service. The address and order information is in the back of each issue of RIE. Xerox copies of many items related to water quality and resource education and training can also be ordered through the EQ Instructional Resources Center for $0.06 per page plus $1.00 per document.

For information about locations of ERIC microfiche sites in your state, contact the EQ Instructional Resources Center.

A number of journal articles processed for the IRIS (water) system are entered into the ERIC system and announced in Current Index to Journals in Education (CIJE).

Current Index to Journals in Education is published monthly and is available from:

ORYX Press
2214 North Central at Encanto
Phoenix, Arizona 85004
(602) 254-6156

Many libraries subscribe to CIJE. Materials announced in CIJE can be searched manually each month by scanning CIJE or by checking the index terms in the back of each issue. Materials announced in CIJE can be searched by computer also. Refer to the previous discussion of RIE concerning computer searches.

Materials announced in CIJE can be located in journals at many university libraries.

Many of the articles can be obtained from University Microfilms. For prices and further information write to:

UMI Article Reprint Department
300 North Zeeb Road
Ann Arbor, Michigan 48106
(800) 521-0600

II. How to Use the Compilation

A. Description of Information in Resumes

Each resume is listed by EW number in numerical order in the resume section. Two samples of resumes are provided to explain the data fields in the resumes. Sample resume #1 is a sample resume of an item not entered into ERIC. Sample resume #2 is a sample resume of an item entered into ERIC; a few additional data elements are in these resumes and are explained.

1. Sample resume of materials not entered in ERIC

a. IRIS NUMBER: EW006023
b. PUBLICATION DATE: FEB 81
c. TITLE: PROGRAMMED APPROACH TO WATER/MASS ANALYSES.
d. PERSONAL AUTHOR: SPENCE, GEORGE R., JR.
e. DESCRIPTOR: *DESIGN; *ENGINEERING; *EQUIPMENT; *MASS BALANCE; *PROJECT DESIGN; *POLLUTION ENGINEERING; *PIPES; *WATER RESOURCES

f. DESCRIPTIVE NOTE: 30-33P.
g. ABSTRACT: DURING THE ENGINEERING PHASE OF A PROJECT DESIGN, WATER REQUIREMENTS OFTEN CHANGE AS NEW INFORMATION BECOMES AVAILABLE. THIS ARTICLE DETAILS A PROGRAMMED APPROACH TO CALCULATION OF A WATER/MASS BALANCE WHICH PROVIDES THE USER WITH THE ABILITY TO READILY ASSESS THE IMPACT OF VARYING WATER QUALITIES, FLOW PATTERNS, AND FLOW RATES. THIS INFORMATION IS THEN USED IN DETERMINING PIPE AND EQUIPMENT SIZES.

h. AVAILABILITY: POLLUTION ENGINEERING; V13 N2

a. IRIS NUMBER -- this is the identification number sequentially assigned to materials as they are processed. Gaps in numbers mean that some items have been deleted, are being processed to add new information, or have been delayed in processing for some reason.

b. PUBLICATION DATE -- date material was published according to information on the material.

c. TITLE

d. PERSONAL AUTHOR -- person or persons who wrote, compiled, or edited the material. Up to two personal authors can be listed.

e. DESCRIPTOR -- subject terms which characterize substantive contents and form of the materials. The major terms are preceeded by an asterisk. Terms used to index all resumes in this compilation can be reviewed in the Subject Index.

f. DESCRIPTIVE NOTE -- various items of information may be contained in this section. For print materials the number of pages is usually listed. The price of the material quoted is the last time information was received from the source. Please note: Prices of nearly all materials are subject to changes and may not be accurate at the time a person orders a specific item.

g. ABSTRACT -- some early materials entered into IRIS did not have abstract information. All materials currently being entered into IRIS have an informative abstract that describes the contents of the item.

h. AVAILABILITY -- information in this field indicates where the material can be obtained.

2. Sample resume of material entered into ERIC (Resources in Education).

Items entered into ERIC (Resources in Education) will have a few additional data fields. See letter references "a" and "b" below.

IRIS ACCESSION NUMBER: EW006664
PUBLICATION DATE: 80
TITLE: RESOURCE DEVELOPMENT OF WATERSHED LANDS: A SIX WEEK SHORT COURSE.
DESCRIPTOR: ADMINISTRATION; ECOLOGICAL FACTORS; ECONOMIC FACTORS; INSTRUCTIONAL MATERIALS; *LAND USE; NATURAL RESOURCES; *POST SECONDARY EDUCATION; *TECHNICAL EDUCATION; *WATER RESOURCES; HYDROLOGY; NATURAL RESOURCES MANAGEMENT; WATER QUALITY; *WATERSHEDS

b. DESCRIPTIVE NOTE: EDRS PRICE: MF01 PLUS POSTAGE-NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT.

ABSTRACT: THIS COURSE WAS DESIGNED TO PROVIDE THE WATER RESOURCE TECHNICIAN OR MANAGER WITH INFORMATION WHICH WILL AID IN THE IMPLEMENTATION OF IMPROVEMENTS OF PRESENT LAND USE PRACTICES AND TO ILLUSTRATE ALTERNATIVE CONCEPTS AND TECHNIQUES IN LAND AND WATER USE FOR INCREASING AND IMPROVING THE MULTIPLE PRODUCTS OF WATERSHED LANDS. (ED 197 941)

a. AVAILABILITY: ERIC DOCUMENT REPRODUCTION SERVICE, 3900 Wheeler Avenue, Alexandria, VA 22304

a. ERIC NUMBER -- the ED number indicates the document has been processed and entered into Resources in Education. This identification number is the number to use when ordering a document or when requesting information about a document.

b. EDRS PRICE -- if material is available through the ERIC Document Reproduction Service, the price of the material when it was entered into the ERIC system and the form of the material is indicated. "MF" means microfiche; "HC" means Xerox copy. Prices are subject to change. Current prices of microfiche and paper copies are listed in the back of each issue of Resources in Education; consult the latest monthly issue for current prices. Information about ordering items can be obtained by contacting:

ERIC Document Reproduction Service (EDRS)
3900 Wheeler Avenue
Alexandria, VA 22304
(703) 823-0550

Items that are available on microfiche (MF) are contained in microfiche collections at over 700 sites where they can be read. For information on the microfiche locations in your state contact the EQ Instructional Resources Center.

B. How to Locate Desired Materials

Users can identify materials of interest by scanning the resume listings, or using the Subject Index or Author Index.

1. Subject Index

The Subject Index is designed to enable the user to search for information on either a broad subject or a narrow information concern. An EW number is included for each item listed under the subject heading. The EW number refers to the abstract entry in the resume section where complete bibliographic information, an abstract of the item, and availability information can be found.

A user can also coordinate a search by checking EW numbers that appear under two or more subject headings. For example, you could check all the EW numbers under Water Treatment and all the EW numbers under Films. EW numbers included under both subject headings would include information relevant to Water Treatment that were films. EW numbers under wastewater treatment and laboratory techniques would provide a list of materials related to Laboratory Techniques and to Wastewater Treatment. Similar techniques could be used to identify other information desired.

Users with ERIC microfiche should check the resume entry. If the document is available on microfiche from the ERIC Document Reproduction Service, the availability will be indicated by "MF" on the resume by "EDRS Price." This means libraries with ERIC microfiche collections should have the document on microfiche.

If you want a document available through the ERIC Document Reproduction Service (EDRS) see the section on ordering documents.

2. Author Index

If you desire to locate a document by the name of the author, you can use the Author Index. EW numbers are provided under the author in the Author Index as in the Subject Index. Some documents do not have a listed author; hence, they are not listed in this index.

III. Correcting an Existing IRIS Record

The IRIS data base will be updated on a quarterly basis. Corrections will be made to the data base at those times. You can help improve IRIS by sending corrections for items you find to be in error.

We request that you duplicate (copy) the resume from the compilation, mark the information you believe to be wrong (or incomplete), and send the marked resume to:

EQ Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212
(614) 422-6717

Corrections of errors will occur in the IRIS tapes at the next update after comments are received.

If you have difficulty obtaining materials from the listed source in the AVAILABILITY section of the resume, please let us know. We will contact the sources to verify whether the materials are available, but your assistance will provide corrections between annual availability checks.

If you are the supplier of materials in IRIS, please let us know if you remove a product from your list, modify a product on your list, or change the price of the product.

IV. Requests to Receive Information about IRIS and the IRC Bulletin

Information regarding IRIS, materials in IRIS, and modifications in the system will be announced in the IRC Bulletin. The Bulletin is issued about four times a year as information is available.

If you are not on the mailing list write to the EQ Instructional Resources Center for subscription information.

If you need information about IRIS you can also phone (614) 422-6717 with your questions.

V. Requests for Assistance in Using IRIS

If you need help in using the IRIS manuals, phone (614) 422-6717 or write to the EQ Instructional Resources Center. Staff are normally available from about 8:30 a.m. to 4:30 p.m. Eastern time to answer your questions.

VI. How to Locate Other Relevant Educational Materials

A number of people have requested information related to such areas as management, basic skills (reading, mathematics, writing) human relations, contract negotiations, and other topics. The EQ Instructional Resources Center has developed or obtained some materials in these areas.

Another excellent source of information for many educational concerns is the ERIC System.

ERIC is a national information system designed and developed by the U.S. Office of Education, and now supported and operated by the National Institute of Education (NIE), for providing ready access to descriptions of exemplary programs, research and development efforts, and related information that can be used in developing more effective educational programs.

There are 16 Clearinghouses in the nationwide ERIC network. Each specializes in a different, multi-discipline, educational area. Each searches out pertinent documents.

The ERIC Clearinghouses have responsibility within the network for acquiring the significant educational literature within their particular areas, selecting the highest quality and most relevant material, processing (i.e., cataloging, indexing, abstracting) the selected items for input to the data base, and also for providing information analysis products and various user services based on the data base.

The 16 ERIC Clearinghouses are listed on the next few pages, together with addresses, telephone numbers, and brief scope notes describing the areas they cover. You can contact them for assistance in locating information relevant to their scope notes.

A. ERIC Clearinghouse on Adult, Career, and Vocational Education
The Ohio State University
National Center for Research in Vocational Education
1960 Kenny Road
Columbus, Ohio 43210
Telephone: (614) 486-3655

Career education, formal and informal at all levels, encompassing attitudes, self-knowledge, decision-making skills, general and occupational knowledge, and specific vocational and occupational skills; adult and continuing education, formal and informal, relating to occupational, family, leisure, citizen, organizational, and retirement roles; vocational and technical education, including new sub-professional fields, industrial arts, and vocational rehabilitation for the handicapped.

B. ERIC Clearinghouse on Counseling and Personnel Services
University of Michigan
School of Education, Room 2108
Ann Arbor, Michigan 48109
Telephone: (313) 764-9492

Preparation, practice, and supervision of counselors at all educational levels and in all settings, theoretical development of counseling and guidance, use and results of personnel procedures such as testing, interviewing, disseminating, and analyzing such information, group work and case work; nature of pupil, student, and adult characteristics; personnel workers and their relation to career planning, family consultations, and student orientation activities.

C. ERIC Clearinghouse on Elementary and Early Childhood Education
University of Illinois
College of Education
805 West Pennsylvania Avenue
Urbana, Illinois 61801
Telephone: (217) 333-1386

Prenatal factors, parental behavior; the physical, psychological, social, educational, and cultural development of children from birth through the primary grades; educational theory, research and practice related to the development of young children.

D. ERIC Clearinghouse on Educational Management
University of Oregon
Library, Room 108
1787 Agate Street
Eugene, Oregon 97403
Telephone: (503) 686-5043

Leadership, management, and structure of public and private educational organizations; practice and theory of administration; preservice and inservice preparation of administrators, tasks and processes of administration, methods and varieties of organization, organizational change, and social context of the organization.

Sites, buildings, and equipment for education; planning, financing, constructing, renovating, equipping, maintaining, operating, insuring, utilizing, and evaluating educational facilities.

E. ERIC Clearinghouse on Handicapped and Gifted Children
Council for Exceptional Children
1920 Association Drive
Reston, Virginia 22091
Telephone: (703) 620-3660

Aurally handicapped, visually handicapped, mentally handicapped, physically handicapped, emotionally disturbed, speech handicapped, learning disabilities, and the gifted; behavioral, psychomotor, and communication disorders, administration of special education services; preparation and continuing education of professional and paraprofessional personnel; preschool learning and development of the exceptional; general studies on creativity.

F. ERIC Clearinghouse on Higher Education
George Washington University
One Dupont Circle, NW, Suite 630
Washington, DC 20036
Telephone: (202) 296-2597

Various subjects relating to college and university students, college and university conditions and problems, college and university programs; curricular and instructional problems and programs, faculty, institutional research; federal programs, professional education (medical, law, etc.), graduate education, university extension programs, teaching-learning, planning, governance, finance, evaluation, interinstitutional arrangements, and management of higher educational institutions.

G. ERIC Clearinghouse on Information Resources
Syracuse University
School of Education
Huntington Hall, Room 030
150 Marshall Street
Syracuse, New York 13210
Telephone: (315) 423-3640

Management, operation, and use of libraries; the technology to improve their operation and the education, training, and professional activities of librarians and information specialists. Educational techniques involved in microteaching, systems analysis, and programmed instruction employing audiovisual teaching aids and technology, such as television, radio, computers, and cable television, communication satellites, microforms, and public television.

H. ERIC Clearinghouse for Junior Colleges
University of California at Los Angeles (UCLA)
Mathematical Sciences Building, Room 8118
405 Hilgard Avenue
Los Angeles, California 90024
Telephone: (213) 825-3931

Development, administration, and evaluation of public and private community junior colleges. Junior college students, staff, curricula, programs, libraries, and community services.

I. ERIC Clearinghouse on Languages and Linguistics
Center for Applied Linguistics
1118 "22nd" Street, NW
Washington, DC 20037
Telephone: (202) 429-9551

Languages and linguistics. Instructional methodology, psychology of language learning, cultural and intercultural content, application of linguistics, curricular problems and developments, teacher training and qualifications, language sciences, psycholinguistics, theoretical and applied linguistics, language pedagogy, bilingualism, and commonly taught languages including English and speakers of other languages.

J. ERIC Clearinghouse on Reading and Communication Skills
National Council of Teacher of English
1111 Kenyon Road
Urbana, Illinois 61801
Telephone: (217) 328-3870

Reading, English, and communication skills, preschool through college. Educational research and development in reading, writing, speaking, and listening. Identification, diagnosis, and remediation of reading problems. Speech communication--forensics, mass communication, interpersonal and small group interaction, interpretation, rhetorical and communication theory, instruction development, speech sciences, and theater. Preparation of instructional staff and related personnel in these areas.

All aspects of reading behavior with emphasis on physiology, psychology, sociology, and teaching. Instructional materials, curricula, tests and measurement, preparation of reading teachers and specialists, and methodology at all levels. Role of libraries and other agencies in fostering and guiding reading. Diagnostic and remedial services in school and clinical settings.

K. ERIC Clearinghouse on Rural Education and Small Schools
New Mexico State University
Box 3AP
Las Cruces, New Mexico 88003
Telephone: (505) 646-2623

Education of Indian Americans, Mexican Americans, Spanish Americans, and migratory farm workers and their children; outdoor education; economic, cultural, social, or other factors related to educational programs in rural areas and small schools; disadvantaged of rural and small school populations.

L. ERIC Clearinghouse for Science, Mathematics and Environmental Education
The Ohio State University
1200 Chambers Road - Room 310
Columbus, Ohio 43212
Telephone: (614) 422-6717

All levels of science, mathematics, and environmental education; development of curriculum and instructional materials; media applications; impact of interest, intelligence, values, and concept development upon learning; preservice and inservice teacher education and supervision.

M. ERIC Clearinghouse for Social Studies/Social Science Education
Indiana University
Social Studies Development Center
2805 East 10th St.
Bloomington, IN 47405
Telephone: (812) 335-3838

All levels of social studies and social science; all activities relating to teachers; content of disciplines; applications of learning theory, curriculum theory, child development theory, and instructional theory; research and development programs; special needs of student groups; education as a social science; social studies/social science and the community.

N. ERIC Clearinghouse on Teacher Education
American Association of Colleges for Teacher Education (AACTE)
One Dupont Circle, NW, Suite 610
Washington, DC 20036
Telephone: (202) 293-2450

School personnel at all levels, all issues from selection through preservice and inservice preparation and training to retirement; curricula, educational theory and philosophy; general education not specifically covered by Educational Management Clearinghouse; Title XI NDEA Institutes not covered by subject speciality in other ERIC Clearinghouses; all aspects of physical education.

O. ERIC Clearinghouse on Tests, Measurement, and Evaluation
Educational Testing Service (ETS)
Rosedale Road
Princeton, New Jersey 08541
Telephone: (609) 734-5176

Tests and other measurement devices; evaluation procedures and techniques; application of tests, measurement, or evaluation in educational projects of programs.

P. ERIC Clearinghouse on Urban Education
Teachers College, Columbia University
Institute for Urban and Minority Education
Box 40
525 West 120th Street
New York, New York 10027
Telephone: (212) 678-3433

The relationship between urban life and schooling; the effect of urban experiences and environments from birth onward; the academic, intellectual, and social performance of urban children and youth from grade three through college entrance (including the effect of self concept, motivation, and other affective influences), education of urban, Puerto Rican and Asian American populations, and rural and urban black populations; programs and practices which provide learning experiences designed to meet the special needs of diverse populations served by urban schools and which build upon their unique as well as their common characteristics, structural changes in the classroom, school, school system, and community and innovative instructional practices which directly affect urban children and youth; programs, practices, and materials related to economic and ethnic discrimination, segregation, desegregation, and integration in education; issues, programs, practices, and materials related to redressing the curriculum imbalance in the treatment of ethnic minority groups.

Q. Educational Resources Information Center
Office of Educational Research and Improvement (OERI)
555 New Jersey, Ave. NW
Room 522
Washington, DC 20208
Telephone: (202) 626-9240

There are other sources of educational information in many states. Included are information dissemination units in the state departments of education, intermediate education units, and local education units. In many cases, a local school administrator or school librarian can help you locate assistance.

VII. How to Order Materials

The AVAILABILITY field in the resume indicates where materials can be obtained. A few of the sources are explained.

A. A number of audiovisual materials can be obtained on a rental basis or purchased from the EQ Instructional Resources Center. Most items previously available from the NTOTC office are available from the EQ Instructional Resources Center at The Ohio State University. For further information write or call.

B. Some of the materials are available through the ERIC Document Reproduction Service. MF (microfiche) are 4" x 6" sheets of microfilm; up to 96 pages of text can be reproduced on one sheet. HC (paper copy) is a reproduction of the document in paper form at the original size.

Order forms for these materials can be obtained from:

ERIC Document Reproduction Service
3900 Wheeler Avenue
Alexandria, VA 22304
(703) 823-0550

C. The EQ Instructional resources Center will provide Xerox copies of materials that are not copyrighted for $1.00 per document plus $0.06 per page.

If you can not obtain materials that are listed or have difficulty obtaining materials, please contact the EQ Instructional Resources Center. We can provide assistance in obtaining materials from some sources. If materials become unavailable, we will remove them from the IRIS data base.

RESUME SECTION

IRIS ACCESSION NUMBER: EW013301
PUBLICATION DATE: APR 86

TITLE: THE INTERACTIVE VIDEODISC IS IN MOTION.

PERSONAL AUTHOR: LANIER, ROBIN

DESCRIPTOR: *AUDIOVISUAL AIDS; *COST; *INSTRUCTIONAL MATERIALS; *INTERACTIVE VIDEODISCS; *MATERIALS PRODUCTION; *VIDEODISCS

DESCRIPTIVE NOTE: 36-39P.

ABSTRACT: PRESENTED IS INFORMATION ON THE INTERACTIVE VIDEODISC, MAKING THE VIDEODISC, AND ADVICE ON VIDEODISC PRODUCTION.

AVAILABILITY: EITV; V18 N4

IRIS ACCESSION NUMBER: EW013302

PUBLICATION DATE: SPR 86

TITLE: QUANTIFYING WISDOM: A DOUBLE-EDGED SWORD.

PERSONAL AUTHOR: LEHR, JAY H; AND OTHERS

DESCRIPTOR: *CONTAMINATION; *GROUNDWATER; *PLANNING; *POLLUTION CONTROL; *SITE EVALUATION; *WATER POLLUTION CONTROL; *WATER QUALITY; *WATER SUPPLY

DESCRIPTIVE NOTE: 4-7P.

ABSTRACT: DISCUSSED IS A SYSTEM FOR COMPARING AREAS WITH RESPECT TO THEIR POTENTIAL FOR POLLUTION OF GROUND WATER.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013303

PUBLICATION DATE: SPR 86

TITLE: MULTIPLE COMPLETION MONITOR WELLS.

PERSONAL AUTHOR: NAKAMOTE, DENNIS B.; AND OTHERS

DESCRIPTOR: *CONSTRUCTION; *COSTS; *GROUNDWATER; *MONITORING WELLS; *WATER QUALITY; *WELLS; *WATER SUPPLY

DESCRIPTIVE NOTE: 50-55P.

ABSTRACT: THIS PAPER DISCUSSES THE MULTIPLE COMPLETION MONITOR WELL DESIGN CONCEPT IN TERMS OF DRILLING METHODS, CONSTRUCTION METHODS, COST CONSIDERATIONS, AND POTENTIALLY ADVERSE EFFECTS CAUSED BY INTERACTIONS BETWEEN CONSTRUCTION MATERIALS AND GROUND WATER.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013304
PUBLICATION DATE: SPR 86

TITLE: AN EFFECTIVE AND INEXPENSIVE GAS-DRIVE GROUND WATER SAMPLER.

PERSONAL AUTHOR: NORMAN, WILLIAM R.

DESCRIPTOR: *COSTS; *GROUNDWATER; *INSTRUMENTS; *MONITORS; *MONITORING; *SAMPLING; *SAMPLERS; *WATER POLLUTION CONTROL; *WATER QUALITY; *WATER SUPPLY

DESCRIPTIVE NOTE: 56-60P.

ABSTRACT: DESCRIBED IS AN EFFECTIVE AND INEXPENSIVE GAS-DRIVE GROUND WATER SAMPLER.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013305

PUBLICATION DATE: SPR 86

TITLE: FACTORS WHICH AFFECT SOIL-PORE LIQUID: A COMPARISON OF CURRENTLY AVAILABLE SAMPLERS WITH TWO NEW DESIGNS.

PERSONAL AUTHOR: HORNBY, W. J.; AND OTHERS

DESCRIPTOR: *DESIGN; *GROUNDWATER; *MONITORING; *PERFORMANCE EVALUATION; *SAMPLERS; *WATER POLLUTION CONTROL; *WATER QUALITY; *WATER SUPPLY

DESCRIPTIVE NOTE: 61-66P.

ABSTRACT: SUCTION AND FREE DRAINAGE SOIL-PORE LIQUID (SPL) SAMPLERS WERE COMPARED WITH TWO NEW SPL SAMPLER DESIGNS FOR USE IN UNSATURATED ZONE MONITORING PROGRAMS.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013306

PUBLICATION DATE: SPR 86

TITLE: SAMPLING FOR TOXIC CONTAMINANTS IN GROUND WATER.

PERSONAL AUTHOR: BRYDEN, GREGG W.; AND OTHERS

DESCRIPTOR: *EQUIPMENT; *GROUNDWATER; *MONITORING; *POLLUTION CONTROL; *SAMPLING; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 67-72P.

ABSTRACT: THIS ARTICLE RELATES RECENT DEVELOPMENTS IN GROUND WATER SAMPLING TECHNIQUES TO THE PRACTICAL APPLICATION OF SAMPLING FOR TOXIC CONTAMINANTS IN GROUND WATER.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013307
PUBLICATION DATE: SPR 86

TITLE: LOW-COST APPARATUS FOR ON-SITE MONITORING OF METHANE IN GROUND WATER.

PERSONAL AUTHOR: HARRISON, SAMUEL S.

DESCRIPTOR: *EQUIPMENT; *CONTAMINATION; *GROUNDWATER; *METHANE; *MONITORING; *SAMPLING; *WATER QUALITY

DESCRIPTIVE NOTE: 73-76P.

ABSTRACT: DESCRIBED IS A LOW-COST-GAS-VOLUME MONITORING APPARATUS FOR ONSITE MONITORING OF METHANE IN GROUND WATER.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013308

PUBLICATION DATE: SPR 86

TITLE: A NEW VALVED AND AIR-VENTED SURGE PLUNGER FOR DEVELOPING SMALL-DIAMETER MONITOR WELLS.

PERSONAL AUTHOR: SCHALLA, RONALD; LANDICK, ROBERT W.

DESCRIPTOR: *EQUIPMENT; *GROUNDWATER; *MONITORING WELLS; *MONITORING; *WATER QUALITY; *WELLS; *SURGE PLUNGERS

DESCRIPTIVE NOTE: 77-80P.

ABSTRACT: DESCRIBED IS A VALVED AND AIR-VENTED SURGE PLUNGER FOR DEVELOPING 2-INCH DIAMETER MONITOR WELLS.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013309

PUBLICATION DATE: SPR 86

TITLE: USE OF A GEO FLOWMETER FOR THE DETERMINATION OF GROUNDWATER FLOW DIRECTION.

PERSONAL AUTHOR: GUTHRIE, MARILYN

DESCRIPTOR: *EQUIPMENT; *GEO FLOWMETER; *GROUNDWATER; *FLUID FLOW; *INSTRUMENTATION; *MONITORING WELLS; *WATER QUALITY

DESCRIPTIVE NOTE: 81-86P.

ABSTRACT: DESCRIBED IS A GEO FLOWMETER FOR THE DETERMINATION OF GROUND WATER FLOW DIRECTION AND VELOCITY IN MONITORING WELLS OR OPEN BOREHOLES.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; VG N2

IRIS ACCESSION NUMBER: EW013310
PUBLICATION DATE: SPR 86

TITLE: A LOW-COST SYSTEM TO REMOTELY MEASURE PIEZOMETRIC HEAD.

PERSONAL AUTHOR: SCHAEFER, MARK E.; HEMOND, H. F.

DESCRIPTOR: *COSTS; *GROUNDWATER; *INSTRUMENTATION; *MONITORING; *SAMPLING; *WATER QUALITY

DESCRIPTIVE NOTE: 87-91P.

ABSTRACT: DESCRIBED IS A LOW-COST SYSTEM TO REMOTELY COLLECT PIEZOMETRIC HEAD DATA IN COMPRESSIBLE POROUS MEDIA.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013311

PUBLICATION DATE: SPR 86

TITLE: THE TRANSIOMETER: AN ALTERNATIVE METHOD OF SOIL MOISTURE MEASUREMENT IN SLOWLY PERMEABLE SOILS.

PERSONAL AUTHOR: TROOIEN, TODD P.; AND OTHERS

DESCRIPTOR: *EQUIPMENT; *GROUNDWATER; *INSTRUMENTATION; *MOISTURE; *SOILS; *TRANSIOMETER; *WATER RESOURCES

DESCRIPTIVE NOTE: 99-105P.

ABSTRACT: DESCRIBED IS THE TRANSIOMETER FOR SOIL MOISTURE MEASUREMENT IN SLOWLY PERMEABLE SOILS.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013312

PUBLICATION DATE: SPR 86

TITLE: DEVELOPMENT OF AN INEXPENSIVE DATA ACQUISITION SYSTEM.

PERSONAL AUTHOR: JOHNSON, STEVEN B.

DESCRIPTOR: *EQUIPMENT; *GROUNDWATER; *INSTRUMENTATION; *MONITORING; *WATER PRESSURE; *SAMPLING

DESCRIPTIVE NOTE: 106-07P.

ABSTRACT: DESCRIBED IS THE DEVELOPMENT OF AN INEXPENSIVE DATA ACQUISITION SYSTEM.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013313
PUBLICATION DATE: SPR 86

TITLE: ELECTRONIC SENSING DEVICES USED FOR IN SITU GROUND WATER MONITORING.

PERSONAL AUTHOR: RITCHEY, JOSEPH D.

DESCRIPTOR: *EQUIPMENT; *GROUNDWATER; *INSTRUMENTATION; *MONITORING; *RESEARCH; *SAMPLING; *WATER LEVEL; *WATER QUALITY

DESCRIPTIVE NOTE: 108-13P.

ABSTRACT: DESCRIBED ARE ELECTRONIC SENSING DEVICES FOR IN SITU GROUND WATER MONITORING.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013314

PUBLICATION DATE: SPR 86

TITLE: FM RADIOTELEMETRY COUPLED WITH SONIC TRANSDUCERS FOR REMOTE MONITORING OF WATER LEVELS IN DEEP AQUIFERS.

PERSONAL AUTHOR: ALDERMAN, JOSEPH W.

DESCRIPTOR: *EQUIPMENT; *GROUNDWATER; *INSTRUMENTATION; *MONITORING; *SAMPLING; *TELEMENTRY SYSTEMS; *WATER LEVEL; *WATER RESOURCES

DESCRIPTIVE NOTE: 114-16P.

ABSTRACT: DESCRIBED IS AN INSTRUMENTATION SYSTEM FOR REMOTE MONITORING OF WATER LEVELS IN DEEP AQUIFERS.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013315

PUBLICATION DATE: SPR 86

TITLE: A WASTE TREATMENT/DISPOSAL/SITE EVALUATION PROCESS FOR AREAS UNDERLAIN BY CARBONATE ACQUIFERS.

PERSONAL AUTHOR: MAGNER, J. A.; AND OTHERS

DESCRIPTOR: *GROUNDWATER; *SITE EVALUATION; *WASTE DISPOSAL; *WASTE TREATMENT; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: 117-21P.

ABSTRACT: DESCRIBED IS AN EVALUATION PROCESS FOR WASTE TREATMENT/DISPOSAL SITES UNDERLAIN BY CARBONATE AQUIFERS.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013316
PUBLICATION DATE: SPR 86

TITLE: USE OF COMPUTERS IN THE FIELD.

PERSONAL AUTHOR: GRAVENGAARD, GABRIELLE B.

DESCRIPTOR: *COMPUTERS; *DATA ACQUISITION SYSTEMS; *DATA COLLECTION; *GROUNDWATER; *MONITORING; *SAMPLING; *WATER QUALITY; *WATER RESOURCES

DESCRIPTIVE NOTE: 126-28P.

ABSTRACT: THIS ARTICLE DESCRIBES AND DISCUSSES THE BASIC CAPABILITIES OF DATA ACQUISITION SYSTEMS AND THE BENEFITS OF USING SUCH DEVICES.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013317

PUBLICATION DATE: 86

TITLE: A FIELD TERMINAL FOR COLLECTION AND ANALYSIS OF GEOLOGICAL AND HYDROGEOLOGICAL DATA.

PERSONAL AUTHOR: PETSONK, ANDREW M.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *EQUIPMENT; *FIELD TERMINALS; *DATA COLLECTION; *GEOLOGY; *GROUNDWATER; *HYDROGEOLOGY; *FIELD STUDIES; *BAT DATA TERMINAL

DESCRIPTIVE NOTE: 130-34P.

ABSTRACT: DESCRIBED IS A FIELD TERMINAL FOR COLLECTION AND ANALYSIS OF GEOLOGICAL AND HYDROGEOLOGICAL DATA. EXAMPLES OF HOW THE TERMINAL MAY BE USED IN CONNECTION WITH SITE INVESTIGATIONS ARE INCLUDED.

AVAILABILITY: GROUNDWATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013318

PUBLICATION DATE: SPR 86

TITLE: MICRO COMPUTERS APPLIED TO GROUND WATER MONITORING AND TESTING.

PERSONAL AUTHOR: BRANNAKA, LARRY K.; KEEFE, LAWRENCE R.

DESCRIPTOR: *COMPUTERS; *COMPUTER APPLICATIONS; *DATA COLLECTION; *EQUIPMENT; *GROUNDWATER; *INSTRUMENTATION; *MICROCOMPUTERS; *MONITORING; *WATER RESOURCES; *WATER QUALITY

DESCRIPTIVE NOTE: 135-39P.

ABSTRACT: DOCUMENTED IN THIS ARTICLE ARE SEVERAL MICROCOMPUTER SYSTEMS THAT HAVE BEEN DEVELOPED AND USED FOR

SIMULTANEOUS MONITORING OF SEVERAL WELLS AND SYSTEMS INSTALLED FOR LONG TERM MONITORING.

AVAILABILITY: GROUND WATER MONITORING REVIEW; V6 N2

IRIS ACCESSION NUMBER: EW013319

PUBLICATION DATE: MAR 86

TITLE: EMERGING TECHNOLOGIES WITH ROOTS IN THE PAST.

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; BATCH REACTORS; FILTRATION; INTERCHANNEL CLARIFICATION; LAGOONS; FACILITIES; *OPERATIONS (WASTEWATER); OVERLAND FLOW; *TECHNOLOGY; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 28-31P.

ABSTRACT: A VARIETY OF WASTEWATER TREATMENT SYSTEMS, SOME OF THEM NOT EXACTLY NEW, HAVE RECENTLY BEEN SUBJECTED TO INVESTIGATORY AND DEVELOPMENT EFFORTS. THEY ARE BEGINNING TO SHOW THE PROMISE OF COST EFFECTIVENESS FOR THE THOUSANDS OF SMALLER MUNICIPALITIES THAT MUST SOLVE WASTEWATER TREATMENT PROBLEMS.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N3

IRIS ACCESSION NUMBER: EW013320

PUBLICATION DATE: MAR 86

TITLE: PLATE SEPARATION-BUDDING CONVENTIONAL TECHNOLOGY?

DESCRIPTOR: *GRAVITY SEPARATORS; *FACILITIES; *OPERATIONS (WASTEWATER); *PLATE SEPARATORS; *WATER TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 32-34, 22P.

ABSTRACT: GRAVITY SEPARATORS COME IN DIFFERENT FORMS AND THOSE VARIANTS BUILT AROUND STACKS OF PARALLEL PLATES OFFER THE TREATMENT PLANT OWNER AND DESIGNER A NUMBER OF DISTINCT PERFORMANCE ADVANTAGES.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N3

IRIS ACCESSION NUMBER: EW013321

PUBLICATION DATE: MAR 86

TITLE: PRETREATMENT BY THE METAL FINISHING INDUSTRY.

PERSONAL AUTHOR: STEWARD, F. A.

DESCRIPTOR: *METALS; *INDUSTRIAL WASTES; *OPERATIONS (WASTEWATER); *PRETREATMENT; *WASTE DISPOSAL; *WASTEWATER TREATMENT

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CRIPTIVE NOTE: 35-36P.

TRACT: MUNICIPAL WASTEWATER TREATMENT PLANT OPERATORS
T KEEP A WATCHFUL EYE ON DISCHARGES SENT THEIR WAY BY
AL FINISHING BUSINESSES. THEREFORE IT PAYS FOR THEM TO
W WHAT THOSE FIRMS MUST DO ABOUT IT, AND WHAT PROCESS
IONS ARE AVAILABLE.

ILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N3

S ACCESSION NUMBER: EW013322

LICATION DATE: FEB 86

LE: DEVELOPING A WORKABLE MUNICIPAL CROSS-CONNECTION
TROL ORDINANCE.

SONAL AUTHOR: HARTLEY, JOHN

CRIPTOR: *COLORADO; *CROSS-CONNECTIONS; *ORDINANCES;
LLUTION CONTROL; *REGULATIONS; *WATER DISTRIBUTION;
TER QUALITY

CRIPTIVE NOTE: 1, 3-4P.

TRACT: PRESENTED IS INFORMATION ON THE DEVELOPMENT OF A
ICIPAL CROSS-CONNECTION CONTROL ORDINANCE.

ILABILITY: BACKFLOW PREVENTION; V3 N2

S ACCESSION NUMBER: EW013323

LICATION DATE: MAR 86

LE: PCBS: THE PROBLEM PLAGUING INDUSTRY.

CRIPTOR: *EQUIPMENT; *LIABILITIES; *PCBS; *POLLUTION
TROL; *REGULATIONS; *RISK ASSESSMENT; *TOXICITY

CRIPTIVE NOTE: 94, 96P.

TRACT: THOSE HELD ACCOUNTABLE FOR PCB RISK MANAGEMENT
T BE WELL VERSED IN ELECTRICAL ENGINEERING, HAVE A
MICAL ORIENTATION, KNOW THE LEGAL IMPLICATIONS AND BE
ORMED OF PROPER DISPOSAL TECHNIQUES. THE LAWS AND
BILITIES AFFECTING OWNERS OF PCB EQUIPMENT ARE CAREFULLY
IEWED IN THIS REPORT.

ILABILITY: ENGINEER'S DIGEST; V14 N3

S ACCESSION NUMBER: EW013324

LICATION DATE: APR 86

LE: THE CHALLENGES THAT MAKE OR BREAK A GROUP.

SONAL AUTHOR: COOPER, COLEEN R.; PLOOR, MARY L.

DESCRIPTOR: *GROUP DYNAMICS; *HUMAN RELATIONS; *MEETINGS; *MANAGEMENT

DESCRIPTIVE NOTE: 31-33P.

ABSTRACT: DISCUSSED IS A SEVEN-STEP PROCESS TO ENSURE A SUCCESSFUL OUTCOME OF A MEETING.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V40 N4

IRIS ACCESSION NUMBER: EW013325

PUBLICATION DATE: APR 86

TITLE: HOW TO CONSTRUCT A SUCCESSFUL PERFORMANCE APPRAISAL SYSTEM.

PERSONAL AUTHOR: SCHNEIER, CRAIG ERIC; AND OTHERS

DESCRIPTOR: *MANAGEMENT; *PERFORMANCE APPRAISAL; *PERSONNEL

DESCRIPTIVE NOTE: 38-42P.

ABSTRACT: THIS IS THE FIRST INSTALLMENT OF A TWO-PART ARTICLE. THE AUTHORS EXAMINE WHY PERFORMANCE APPRAISAL SYSTEMS FAIL AND PRESENT SOME POSITIVE SUGGESTIONS.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V40 N4

IRIS ACCESSION NUMBER: EW013326

PUBLICATION DATE: APR 86

TITLE: SOLID WASTES CONTAINING LANDFILL LEAKS.

PERSONAL AUTHOR: BEATTY, CLARENCE

DESCRIPTOR: *CONTAMINATION; *COSTS; *GROUNDWATER; *LANDFILLS; *POLLUTION CONTROL; *REGULATIONS; *SANITARY LANDFILLS; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 28-32P.

ABSTRACT: THE EXISTENCE AND THE POTENTIAL THREAT OF FURTHER GROUNDWATER CONTAMINATION FROM SANITARY LANDFILL LEAKS HAS PROMPTED NATIONAL RECOGNITION OF THE NEED FOR TIGHTER ENVIRONMENTAL CONTROLS. DATA ON PROBLEMS, COSTS, AND NEEDS ARE PRESENTED.

AVAILABILITY: AMERICAN CITY AND COUNTY; V101 N4

IRIS ACCESSION NUMBER: EW013327

PUBLICATION DATE: FEB 86

TITLE: MAINTENANCE SCHEDULE FOR VIDEO AND AUDIO EQUIPMENT.

PERSONAL AUTHOR: BOGOSSIAN, BENJAMIN L.

DESCRIPTOR: *AUDIOVISUAL AIDS; *EQUIPMENT; *MAINTENANCE; *PREVENTIVE MAINTENANCE

DESCRIPTIVE NOTE: 26-29P.

ABSTRACT: A DOCUMENTED, PERIODIC MAINTENANCE PROGRAM ENSURES EQUIPMENT RELIABILITY AND PERFORMANCE. A RECOMMENDED SCHEDULE IS PRESENTED.

AVAILABILITY: EITV; V18 N2

IRIS ACCESSION NUMBER: EW013328

PUBLICATION DATE: MAR 86

TITLE: DESIGNING A GROUNDWATER TREATMENT SYSTEM.

PERSONAL AUTHOR: NYER, EVAN K.

DESCRIPTOR: *CONTAMINATION; *DESIGN; *GROUNDWATER; *WATER POLLUTION CONTROL; *WATER QUALITY; *WATER TREATMENT

DESCRIPTIVE NOTE: 18-20P.

ABSTRACT: INFORMATION IS PRESENTED ON DESIGNING A GROUNDWATER TREATMENT SYSTEM FOR IMPROVING WATER QUALITY BY REMOVING CONTAMINANTS.

AVAILABILITY: POLLUTION ENGINEERING; V18 N3

IRIS ACCESSION NUMBER: EW013329

PUBLICATION DATE: MAR 86

TITLE: ENZYMATIC AND MICROBIAL DEGRADATION OF TOXIC MATERIALS.

PERSONAL AUTHOR: WHITE, WILLIAM E.

DESCRIPTOR: *BIOTECHNOLOGY; *BIOLOGICAL TREATMENT; *DEGRADATION; *ENZYMES; *MICROBES; *MICROBIOLOGY; *TECHNOLOGY; *TOXIC SUBSTANCES; *WASTE DISPOSAL; *WASTE TREATMENT

DESCRIPTIVE NOTE: 28, 30P.

ABSTRACT: DISCUSSED IS THE POSSIBLE ENZYMATIC AND MICROBIAL DEGRADATION OF TOXIC MATERIALS.

AVAILABILITY: POLLUTION ENGINEERING; V18 N3

IRIS ACCESSION NUMBER: EW013331

PUBLICATION DATE: MAR 86

TITLE: T & P VALVES--A DIFFERENT "CROSS-CONNECTION PROBLEM."

PERSONAL AUTHOR: LOPP, DENNY
DESCRIPTOR: *CROSS-CONNECTIONS; *EDUCATION PROGRAMS; *PRESSURE VALUES; *TEMPERATURE VALVES; *VALVES; *WATER DISTRIBUTION; *WATER QUALITY

DESCRIPTIVE NOTE: 3, 6P.

ABSTRACT: DESCRIBED ARE PROBLEMS ASSOCIATED WITH TEMPERATURE AND PRESSURE RELIEF VALVES AND AN EDUCATION PROGRAM DEVELOPED FOR SPOKANE, WASHINGTON.

AVAILABILITY: BACKFLOW PREVENTION; V3 N3

IRIS ACCESSION NUMBER: EW013332

PUBLICATION DATE: MAR 86

TITLE: IMPLEMENTING A MUNICIPAL CROSS-CONNECTION CONTROL ORDINANCE.

PERSONAL AUTHOR: HARTLEY, JOHN

DESCRIPTOR: *COLORADO; *CROSS-CONNECTIONS; *ORDINANCES; *REGULATIONS; *WATER DISTRIBUTION; *WATER QUALITY

DESCRIPTIVE NOTE: 4-5P.

ABSTRACT: THIS IS PART 2 OF A TWO-PART ARTICLE. PART 1 APPEARED IN THE FEBRUARY, 1986 ISSUE OF BACKFLOW PREVENTION.

AVAILABILITY: BACKFLOW PREVENTION; V3 N3

IRIS ACCESSION NUMBER: EW013333

PUBLICATION DATE: MAR 86

TITLE: A PUBLIC-PRIVATE PARTNERSHIP.

PERSONAL AUTHOR: DELBELLO, ALFRED B.

DESCRIPTOR: *COSTS; *FINANCING; *FACILITIES; *MANAGEMENT; *PRIVATIZATION; *WASTEWATER TREATMENT; *WATER TREATMENT

DESCRIPTIVE NOTE: 10P.

ABSTRACT: THIS ARTICLE DESCRIBES PRIVATIZATION IN THE FIELDS OF WATER AND WASTEWATER TREATMENT. REASONS FOR PRIVATIZATION AND EXAMPLES FOR PRIVATIZATION ARE PRESENTED.

AVAILABILITY: WATERWORLD NEWS; V2 N2

IRIS ACCESSION NUMBER: EW013334

PUBLICATION DATE: MAR 86

TITLE: FLEXIBLE JOINT RESTRAINT SYSTEM WITHSTANDS SMALL EARTHQUAKES, SETTLING.

PERSONAL AUTHOR: KENNEDY, HAROLD; SHUMARD, DENNIS
DESCRIPTOR: *MEGALUG; *PIPES; *PIPE JOINTS; *WATER PIPES

DESCRIPTIVE NOTE: 14-15P.

ABSTRACT: DESCRIBED IS A FLEXIBLE JOINT RESTRAINT SYSTEM (MEGALUG) FOR WATER PIPES THAT WITHSTANDS SMALL EARTHQUAKES AND SETTLING.

AVAILABILITY: WATERWORLD NEWS; V2 N2

IRIS ACCESSION NUMBER: EW013335

PUBLICATION DATE: MAR 86

TITLE: BIOSYSTEM ECONOMICALLY TREATS PHENOLIC WASTES.

PERSONAL AUTHOR: BLAIR, JAMES E.

DESCRIPTOR: *BIOLOGICAL SYSTEMS; *BIOLOGICAL TREATMENT; *COSTS; *EQUIPMENT; *FACILITIES; *INDUSTRIAL WASTES; *PHENOL; *PERFORMANCE EVALUATION; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 16-17P.

ABSTRACT: DESCRIBED IS A BIOSYSTEM FOR TREATING PHENOLIC WASTES.

AVAILABILITY: WATERWORLD NEWS; V2 N2

IRIS ACCESSION NUMBER: EW013336

PUBLICATION DATE: MAR 86

TITLE: CLEANING RO UNITS USED FOR POTABLE WATER PRODUCTION.

PERSONAL AUTHOR: LUSS, GERALD

DESCRIPTOR: *CLEANING; *MAINTENANCE; *MEMBRANES; *REVERSE OSMOSIS; *WATER QUALITY; *WATER TREATMENT

DESCRIPTIVE NOTE: 18-19P.

ABSTRACT: DESCRIBED ARE MATERIALS AND PROCEDURES FOR CLEANING REVERSE OSMOSIS MEMBRANES USED IN WATER TREATMENT FACILITIES.

AVAILABILITY: WATERWORLD NEWS; V2 N2

IRIS ACCESSION NUMBER: EW013338

PUBLICATION DATE: MAY 86

TITLE: CHOOSING A SECOND GENERATION COMPUTERIZED BILLING SYSTEM.

PERSONAL AUTHOR: WINTISH, J. PETER

DESCRIPTOR: *BILLING SYSTEMS; *COMPUTER APPLICATIONS; *NEW YORK; *PERFORMANCE EVALUATION; *SYSTEM ANALYSIS; *WATER USE; *WATER RATES

DESCRIPTIVE NOTE: 34-37P.

ABSTRACT: DESCRIBED IS THE SELECTION OF AN UPDATED SYSTEM FOR WATER BILLING BY A NEW YORK CITY.

AVAILABILITY: AWWA JOURNAL; V78 N5

IRIS ACCESSION NUMBER: EW013339

PUBLICATION DATE: MAY 86

TITLE: REGIONAL REACTIVATION OF GRANULAR ACTIVATED CARBON.

PERSONAL AUTHOR: ADAMS, JEFFREY Q.; AND OTHERS

DESCRIPTOR: *COSTS; *GRANULAR ACTIVATED CARBON; *CARBON REACTIVATION; *OPERATIONS (WATER); *PERFORMANCE EVALUATION; *WATER TREATMENT

DESCRIPTIVE NOTE: 38-41P.

ABSTRACT: SMALL UTILITIES CAN ACHIEVE ECONOMICS OF SCALE BY TRANSPORTING CARBON TO A CENTRAL REACTIVATION POINT. DESCRIBED IS A NEW HAMPSHIRE PROJECT.

AVAILABILITY: AWWA JOURNAL; V78 N5

IRIS ACCESSION NUMBER: EW013340

PUBLICATION DATE: MAY 86

TITLE: WATER RATES: AN INDUSTRIAL USER'S VIEW.

PERSONAL AUTHOR: HARWIG, ERNEST; SMITH, RONALD A.

DESCRIPTOR: *COSTS; *INDUSTRIAL USE; *OPINIONS; *SERVICE CONTRACTS; *WATER RATES; *WATER SUPPLY; *WATER DEMAND; *GENERAL MOTORS

DESCRIPTIVE NOTE: 42-46P.

ABSTRACT: PRESENTED ARE GENERAL MOTORS' VIEW ON WATER RATES. WRITTEN SERVICE CONTRACTS ARE SUGGESTED AS AN APPROPRIATE TOOL TO ACHIEVE EQUITABLE RESULTS.

AVAILABILITY: AWWA JOURNAL; V78 N5

IRIS ACCESSION NUMBER: EW013341

PUBLICATION DATE: MAY 86

TITLE: INDUSTRIAL USE OF REVERSE OSMOSIS.

PERSONAL AUTHOR: SINISGALLI, PAUL D.; MCNUTT, JAMES L.

DESCRIPTOR: *DESIGN; *COSTS; *FACILITIES; *RECYCLING; *INDUSTRY; *MEMBRANES; *REVERSE OSMOSIS; *WASTE TREATMENT; *WATER TREATMENT

DESCRIPTIVE NOTE: 47-51P.

ABSTRACT: IMPROVED MEMBRANE DESALINATION METHODS PROVIDE EFFECTIVE INDUSTRIAL WATER TREATMENT, WASTE MANAGEMENT, AND RECYCLING CAPABILITIES.

AVAILABILITY: AWWA JOURNAL; V78 N5

IRIS ACCESSION NUMBER: EW013342

PUBLICATION DATE: MAY 86

TITLE: ION EXCHANGE FOR THE REMOVAL OF NITRATE FROM WELL WATER.

PERSONAL AUTHOR: LAUCH, RICHARD P.; GUTER, GERALD A.

DESCRIPTOR: *CALIFORNIA; *DEMONSTRATION PLANTS; *FACILITIES; *NITRATES; *OPERATIONS (WATER); *STATE STANDARDS; *WATER TREATMENT; *WELL WATER

DESCRIPTIVE NOTE: 83-88P.

ABSTRACT: A FULL-SCALE SEMIAUTOMATED DEMONSTRATION PLANT SUCCESSFULLY REDUCED NITRATES TO MEET STATE STANDARDS.

AVAILABILITY: AWWA JOURNAL; V78 N5

IRIS ACCESSION NUMBER: EW013343

PUBLICATION DATE: APR 86

TITLE: SPECIAL REPORT: INDUSTRIAL/MUNICIPAL WATER AND WASTEWATER PACKAGE TREATMENT SYSTEMS.

PERSONAL AUTHOR: CHEREMISINOFF, PAUL N.

DESCRIPTOR: *PACKAGE TREATMENT PLANTS; *TECHNOLOGY; *WATER TREATMENT; *WASTEWATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 20P.

ABSTRACT: THIS ARTICLE PRESENTS INFORMATION ON PACKAGE TREATMENT PLANTS FOR WATER AND WASTEWATER PROCESSING. TYPES OF TREATMENT ARE CONSIDERED.

AVAILABILITY: POLLUTION ENGINEERING; V18 N4

IRIS ACCESSION NUMBER: EW013344

PUBLICATION DATE: APR 86

TITLE: SIZING A CHLORINE EJECTOR.

PERSONAL AUTHOR: NAGEL, WILLIAM
DESCRIPTOR: *CHLORINATION; *CHLORINE EJECTORS; *EQUIPMENT; *DESIGN; *DISINFECTION; *WATER TREATMENT

DESCRIPTIVE NOTE: 32-35P.

ABSTRACT: THIS ARTICLE DISCUSSES SIZING THE CHLORINE EJECTOR IN A GAS CHLORINATOR.

AVAILABILITY: POLLUTION ENGINEERING; V18 N4

IRIS ACCESSION NUMBER: EW013345

PUBLICATION DATE: APR 86

TITLE: ANAEROBIC TREATMENT PROVES COST CUTTER FOR INDUSTRIAL WASTE.

PERSONAL AUTHOR: MOORES, C. W.; SOBKOWICZ, A. M.

DESCRIPTOR: AEROBIC TREATMENT; *ANAEROBIC TREATMENT; *COSTS; *INDUSTRIAL WASTES; *TECHNOLOGY; *WASTEWATER TREATMENT; *OPERATIONS (WASTEWATER)

DESCRIPTIVE NOTE: 38-41P.

ABSTRACT: DESCRIBED ARE ANAEROBIC TREATMENT PROCESSES FOR WASTEWATER TREATMENT. WAYS OF REDUCING COSTS BY USE OF THESE TECHNIQUES ARE CONSIDERED.

AVAILABILITY: POLLUTION ENGINEERING; V18 N4

IRIS ACCESSION NUMBER: EW013346

PUBLICATION DATE: APR 86

TITLE: USING BIOTECHNOLOGY TO TREAT METALWORKING WASTEWATER.

PERSONAL AUTHOR: SUTTON, P. M.; AND OTHERS

DESCRIPTOR: *BIOTECHNOLOGY; *DESIGN; *METALS; *INDUSTRIAL WASTES; *OPERATIONS (WASTEWATER); *TECHNOLOGY; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 46-49P.

ABSTRACT: DESCRIBED ARE WAYS OF USING BIOTECHNOLOGY TO TREAT METALWORKING WASTEWATER.

AVAILABILITY: POLLUTION ENGINEERING; V18 N4

IRIS ACCESSION NUMBER: EW013348

PUBLICATION DATE: APR 86

TITLE: SIMPLICITY IS MARK OF PUMP STATION IN THE ROUND.

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PERSONAL AUTHOR: STEVENS, WAYNE; WILLIAMS, WALTER
DESCRIPTOR: *COSTS; *CONSTRUCTION; *DESIGN; *FACILITIES; *MAINTENANCE; *PUMP STATIONS; *OPERATIONS (WASTEWATER); *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 21-22, 24-25P.

ABSTRACT: DESCRIBED IS A PUMPING STATION BEING CONSTRUCTED IN HOUSTON FOR PUMPING WASTEWATER. THE LARGE FACILITY WAS DESIGNED FOR RELIABILITY, LOW MAINTENANCE, AND LOWER CONSTRUCTION COSTS.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N4

IRIS ACCESSION NUMBER: EW013349

PUBLICATION DATE: APR 86

TITLE: SLUDGE MANAGEMENT GOES THE DISTRANCE.

PERSONAL AUTHOR: BERG, SUSAN

DESCRIPTOR: *COSTS; *FACILITIES; *PIPELINES; *SLUDGE; *WASTE DISPOSAL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 26-27P.

ABSTRACT: DESCRIBED IS AN 18 MILE SLUDGE PIPELINE IN COLORADO DESIGNED TO SAVE TRUCKING FEES.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N4

IRIS ACCESSION NUMBER: EW013350

PUBLICATION DATE: APR 86

TITLE: OPERATING A BACKHOE EFFICIENTLY.

DESCRIPTOR: *BACKHOES; *EQUIPMENT; *OPERATIONS; *SAFETY; *CONSTRUCTION

DESCRIPTIVE NOTE: 28P.

ABSTRACT: DESCRIBED ARE WAYS TO OPERATE A BACKHOE EFFICIENTLY.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N4

IRIS ACCESSION NUMBER: EW013351

PUBLICATION DATE: APR 86

TITLE: HIGH PRESSURE SYSTEM SPOTS JOINT LEAKS.

DESCRIPTOR: *JOINT LEAKS; *LEAK DETECTION; *PIPES; *WATER PIPES; *WASTEWATER PIPES

DESCRIPTIVE NOTE: 33-35P.

ABSTRACT: DESCRIBED ARE DEVELOPMENTS IN LARGE DIAMETER PIPE JOINT TESTING TECHNOLOGY THAT PERMIT LEAK DETECTION IN NEW AND EXISTING WATER AND WASTEWATER PIPELINES AT HIGH PRESSURES.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N4

IRIS ACCESSION NUMBER: EW013352

PUBLICATION DATE: APR 86

TITLE: DETENTION PONDS: THE POSITIVE AND THE NEGATIVE.

PERSONAL AUTHOR: SILVER, ROBERT M.

DESCRIPTOR: *DETENTION PONDS; *STORM WATER; *SURFACE RUNOFF; *WASTEWATER COLLECTION; *URBAN AREAS

DESCRIPTIVE NOTE: 40-41P.

ABSTRACT: THE GOOD AND BAD POINTS OF DETENTION PONDS ARE DISCUSSED.

AVAILABILITY: PUBLIC WORKS; V177 N4

IRIS ACCESSION NUMBER: EW013354

PUBLICATION DATE: APR 86

TITLE: SALVAGING A WATER RESERVOIR.

PERSONAL AUTHOR: KELLY, RICHARD L. W.; AND OTHERS

DESCRIPTOR: *COSTS; *FACILITIES; *MAINTENANCE; *RESERVOIRS; *RENOVATIONS; *VIRGINIA; *WATER STORAGE; *WATER SUPPLY

DESCRIPTIVE NOTE: 50-51P.

ABSTRACT: RESERVOIR RENOVATIONS OFFER CONSIDERABLE SAVING COMPARED TO REPLACEMENT. DESCRIBED IS A PROJECT IN VIRGINIA.

AVAILABILITY: PUBLIC WORKS; V177 N4

IRIS ACCESSION NUMBER: EW013355

PUBLICATION DATE: APR 86

TITLE: BIG BUCKS SAVED ON SEWER REHABILITATION PROJECT.

PERSONAL AUTHOR: LOVEJOY, DAVID R.; MUNZ, KENNETH J.

DESCRIPTOR: *COSTS; *INSITUFORM; *MAINTENANCE; *REHABILITATION; *SEWERS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 52-53P.

ABSTRACT: AN EXTENSIVELY DETERIORATED SANITARY SEWER WAS REHABILITATED WITH A NEW LINER. DESCRIBED IS A PROJECT I NEW YORK.

AVAILABILITY: PUBLIC WORKS; V177 N4

IRIS ACCESSION NUMBER: EW013356

PUBLICATION DATE: APR 86

TITLE: A METHOD FOR EVALUATION AND PROCUREMENT OF IN-VESSEL COMPOSTING SYSTEMS.

PERSONAL AUTHOR: CONNER, DOUGLAS A.; STEARNS, JAMES A.

DESCRIPTOR: *COMPOSTING; *CONSTRUCTION; *COSTS; *DESIGN; *EQUIPMENT; *IN-VESSEL COMPOSTING; *PLANNING; *OPERATIONS (WASTEWATER); *WASTEWATER SLUDGE; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 64-66P.

ABSTRACT: DESCRIBED IS A PROCEDURE OF EVALUATING AND PROCURING IN-VESSEL COMPOSTING SYSTEMS FOR WASTEWATER SOLIDS STABILIZATION.

AVAILABILITY: PUBLIC WORKS; V177 N4

IRIS ACCESSION NUMBER: EW013357

PUBLICATION DATE: APR 86

TITLE: DESIGN OF THE GAC TREATMENT FACILITY AT CINCINNATI.

PERSONAL AUTHOR: WESTERHOFF, GARRET P.; MILLER RICHARD

DESCRIPTOR: *ACTIVATED CARBON; *FACILITIES; *GRANULAR ACTIVATED CARBON; *DRINKING WATER; *PILOT STUDIES; *MANAGEMENT; *OHIO; *OPERATIONS (WATER); *TECHNOLOGY; *WATER TREATMENT

DESCRIPTIVE NOTE: 146-155P.

ABSTRACT: DESIGN CRITERIA AND THE DEVELOPMENT OF THE PLAN FOR THE UNITED STATES' LARGEST GRANULAR ACTIVATED CARBON TREATMENT FACILITY ARE DESCRIBED.

AVAILABILITY: AWWA JOURNAL; V78 N4

IRIS ACCESSION NUMBER: EW013358

PUBLICATION DATE: APR 86

TITLE: THM AND TOX FORMATION: ROUTES, RATES, AND PRECURSORS.

PERSONAL AUTHOR: JOHNSON, J. DONALD; JENSEN, JAMES N.

DESCRIPTOR: CONTAMINATION; *CHLORINE; *DRINKING WATER;

*DISINFECTION; *CHEMISTRY; *OPERATIONS (WATER); *TRIHALOMETHANES; *WATER TREATMENT; *REGULATIONS

DESCRIPTIVE NOTE: 156-162P.

ABSTRACT: THE AUTHORS QUESTION THE WISDOM OF LIMITING REGULATIONS TO TRIHALOMETHANES, CONSIDERING THE HEALTH EFFECTS OF TOTAL ORGANIC HALOGENS.

AVAILABILITY: AWWA JOURNAL; V78 N4

IRIS ACCESSION NUMBER: EW013359

PUBLICATION DATE: APR 86

TITLE: REMOVING TRACE ORGANICS BY REVERSE OSMOSIS USING CELLULOSE ACETATE AND POLYAMIDE MEMBRANES.

PERSONAL AUTHOR: REINHARD, MARTIN; AND OTHERS

DESCRIPTOR: *DRINKING WATER; *FACILITIES; *FILTRATION; *MEMBRANES; *OPERATIONS (WATER); *ORGANIC COMPOUNDS; *PERFORMANCE EVALUATION; *REVERSE OSMOSIS; *WATER TREATMENT

DESCRIPTIVE NOTE: 163-74P.

ABSTRACT: WATER FACTORY 21 PROVIDES INFORMATION ON THE EFFECTIVENESS OF REMOVING ORGANICS BY REVERSE OSMOSIS.

AVAILABILITY: AWWA JOURNAL; V78 N4

IRIS ACCESSION NUMBER: EW013360

PUBLICATION DATE: APR 86

TITLE: USING ISOTOPE DILUTION MASS SPECTROMETRY TO DETERMINE AQUEOUS TRICHLOROACETIC ACID.

PERSONAL AUTHOR: NORWOOD, DANIEL L.; AND OTHERS

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *DRINKING WATER; *LABORATORY PROCEDURES; *PERFORMANCE EVALUATION; *TRICHLOROACETIC ACID; *WATER QUALITY

DESCRIPTIVE NOTE: 175-80P.

ABSTRACT: A METHOD WAS DEVELOPED TO ANALYZE FOR AND MEASURE TRICHLOROACETIC ACID SIMULTANEOUSLY WITH TRIHALOMETHANES.

AVAILABILITY: AWWA JOURNAL; V78 N4

IRIS ACCESSION NUMBER: EW013361

PUBLICATION DATE: APR 86

TITLE: EFFECTS OF LOW TEMPERATURE ON THE REMOVAL OF TRIHALOMETHANE PRECURSORS BY COAGULATION.

PERSONAL AUTHOR: KNOCKE, WILLIAM R.; AND OTHERS

DESCRIPTOR: *DRINKING WATER; *OPERATIONS (WATER); *TRIHALOMETHANES; *WATER TREATMENT; *TEMPERATURE

DESCRIPTIVE NOTE: 189-95P.

ABSTRACT: THIS STUDY SUGGESTS THAT REDUCED THM CONCENTRATIONS IN FINISHED WATER DURING WINTER ARE STRICTLY A FUNCTION OF THE REDUCED RATE OF THM FORMATION.

AVAILABILITY: AWWA JOURNAL; V78 N4

IRIS ACCESSION NUMBER: EW013362

PUBLICATION DATE: MAY 86

TITLE: CONTAINING ATLANTA'S OVERFLOWS.

PERSONAL AUTHOR: COURTNEY, LAURENCE S.; BEACH, GARY C.

DESCRIPTOR: *GEORGIA; *SEWER OVERFLOWS; *SEWERS; *SURFACE RUNOFF; *WASTEWATER COLLECTION; *WATER QUALITY; *MANAGEMENT; *FACILITIES; *PROJECT DESCRIPTIONS

DESCRIPTIVE NOTE: 12-15P.

ABSTRACT: DESCRIBED ARE FACILITIES DEVELOPED FOR ATLANTA, GEORGIA TO CONTROL OVERFLOWS.

AVAILABILITY: OPERATIONAL FORUM; V3 N5

IRIS ACCESSION NUMBER: EW013363

PUBLICATION DATE: MAY 86

TITLE: MANHOLE SAFETY: ANOTHER VIEW.

PERSONAL AUTHOR: AUGUSTINE, JOE

DESCRIPTOR: *ACCIDENT PREVENTION; *MANHOLE ENTRY; *MANHOLES; *SAFETY; *SEWERS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 16-18P.

ABSTRACT: THIS ARTICLE IS A RESPONSE TO AN ARTICLE ON MANHOLE ENTRY THAT APPEARED IN THE MARCH 1986 FORUM. THE PROCEDURE DESCRIBED IN THIS ARTICLE IS WHAT THE CALIFORNIA WATER POLLUTION CONTROL ASSOCIATION SAFETY COMMITTEE RECOMMENDS.

AVAILABILITY: OPERATIONS FORUM; V3 N5

IRIS ACCESSION NUMBER: EW013364

PUBLICATION DATE: MAY 86

TITLE: A LOW BUDGET ALARM SYSTEM.

PERSONAL AUTHOR: VENERON, KEN

DESCRIPTOR: *ALARM SYSTEMS; *COSTS; *NEW YORK; *MANAGEMENT; *OPERATIONS (WASTEWATER); *PUMP STATIONS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 19-20P.

ABSTRACT: DESCRIBED IS A LOW BUDGET ALARM SYSTEM FOR A NEW YORK TOWN TO INDICATE PROBLEMS WITH UPSET CONDITIONS WITH PUMP STATIONS. THE SYSTEM USES A DIGITAL MICROCOMMUNICATOR AND TELEPHONE LINES.

AVAILABILITY: OPERATIONS FORUM; V3 N5

IRIS ACCESSION NUMBER: EW013365

PUBLICATION DATE: MAY 86

TITLE: PROCESS CONTROL FUNDAMENTALS.

PERSONAL AUTHOR: HOBSON, TIM

DESCRIPTOR: *ACTIVATED SLUDGE PROCESS; *MANAGEMENT; *OPERATIONS (WASTEWATER); *OBSERVATIONS; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 24-27P.

ABSTRACT: THIS IS THE FIRST OF A SERIES OF ARTICLES ON ACTIVATED SLUDGE PROCESS CONTROL FUNDAMENTALS.
AVAILABILITY: OPERATIONS FORUM; V3 N5

IRIS ACCESSION NUMBER: EW013369

PUBLICATION DATE: MAY 86

TITLE: CO-DISPOSAL FACILITY REPLACES NINE TREATMENT PLANTS.

DESCRIPTOR: *CO-DISPOSAL; *FACILITIES; *INCINERATION; *MINNESOTA; *SLUDGE; *SOLID WASTES; *WASTE DISPOSAL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 54-55P.

ABSTRACT: REFUSE DERIVED FUEL IS USED IN A MINNESOTA CO-DISPOSAL FACILITY TO INCINERATE SEWAGE SLUDGE.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013370

PUBLICATION DATE: MAY 86

TITLE: EARLY AND CURRENT SYSTEMS USING REFUSE DERIVED FUEL.

PERSONAL AUTHOR: SMITH, M. L.

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DESCRIPTOR: *ENERGY PRODUCTION: *RECYCLING: *REFUSE DERIVED FUEL: *REFUSE: *SOLID WASTES: *WASTE DISPOSAL: *FACILITIES

DESCRIPTIVE NOTE: 58-62P.

ABSTRACT: PRESENTED IS AN EXAMINATION OF THE PREPARATION AND BURNING OF REFUSE DERIVED FUEL.

AVAILABILITY: PUBLIC WORKS, V117 N5

IRIS ACCESSION NUMBER: EW013371

PUBLICATION DATE: MAY 86

TITLE: SUMMER DISCOUNT METHODS IN SANITARY SEWER RATE STRUCTURES.

PERSONAL AUTHOR: WISEMAN, ROBERT D.

DESCRIPTOR: *DISCOUNTS: *SERVICE CHARGES: *WATER RATES: *SEWER RATES: *WASTEWATER COLLECTION: *WATER USE

DESCRIPTIVE NOTE: 63-64, 96, 98P.

ABSTRACT: PRESENTED IS A DISCUSSION OF APPROPRIATE DISCOUNTS TO APPLY WHEN SEWER USE CHARGES ARE TIED TO WATER CONSUMPTION.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013372

PUBLICATION DATE: MAY 86

TITLE: USED CHASSIS MAKES SEWER AND CATCH BASIN CLEANER AFFORDABLE.

PERSONAL AUTHOR: GILLES, THOMAS P.; AND OTHERS

DESCRIPTOR: *CATCH BASINS: *CLEANING EQUIPMENT: *COSTS: *EQUIPMENT: *SEWERS: *OHIO: MAINTENANCE

DESCRIPTIVE NOTE: 65-66P.

ABSTRACT: DESCRIBED IS A SEWER AND CATCH BASIN CLEANER USED BY A SMALL OHIO COUNTY.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013373

PUBLICATION DATE: MAY 86

TITLE: A SOLUTION TO RESIDENTIAL SEWER BACKUPS.

PERSONAL AUTHOR: ADAMS, THOMAS R.; CRANE, GREGORY

DESCRIPTOR: *FLOW REGULATORS: *PREVENTIVE MAINTENANCE:

*MAINTENANCE; *SEWERS; *SEWER BACKUPS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 70-71P.

ABSTRACT: INLET FLOW CONTROLS AND A SHORT RELIEF SEWER SOLVED A LOCAL SEWER BACKUP PROBLEM.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013374

PUBLICATION DATE: MAY 86

TITLE: THE EVOLUTION OF A RESOURCE RECOVERY FACILITY.

PERSONAL AUTHOR: GAGLIARDO, MICHAEL A.

DESCRIPTOR: DESIGN; *FACILITIES; MARYLAND; CONSTRUCTION; *RESOURCE RECOVERY; *PERFORMANCE EVALUATION; *SOLID WASTES; *WASTE DISPOSAL; *OPERATIONS (SOLID WASTES)

DESCRIPTIVE NOTE: 72-75P.

ABSTRACT: REVIEWED ARE IMPLEMENTATION AND TESTING OF A RESOURCE RECOVERY FACILITY IN BALTIMORE.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013375

PUBLICATION DATE: MAY 86

TITLE: USING THE FECAL COLIFORM TEST FOR SEWER AND STORM DRAIN MAINTENANCE.

PERSONAL AUTHOR: DITTMER, ERIC R.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; BACTERIA; *BIOLOGICAL INDICATORS; *FECAL COLIFORM; LABORATORY PROCEDURES; *LEAK DETECTION; *SEWERS; STORM SEWERS; SEWER LEAKS; *WASTEWATER COLLECTION; *PUBLIC HEALTH

DESCRIPTIVE NOTE: 75, 98, 100P.

ABSTRACT: DESCRIBED IS THE USE OF THE FECAL COLIFORM TEST FOR TRACING SANITARY SEWAGE LEAKS IN AN OREGON COMMUNITY.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013376

PUBLICATION DATE: MAY 86

TITLE: A REVIEW OF WASTE-TO-ENERGY TECHNOLOGY. PART ONE.

PERSONAL AUTHOR: REILLY, THOMAS C.

DESCRIPTOR: *ECONOMICS; COSTS; *ENERGY PRODUCTION; *FACILITIES; *RESOURCE RECOVERY; SERVICE RATES; *SOLID WASTES; *WASTE DISPOSAL; *TECHNOLOGY; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 76-79, 100P.

ABSTRACT: THIS IS PART 1 OF A SERIES REVIEWING WASTE-TO-ENERGY TECHNOLOGY. THIS PART PRESENTS A DETAILED DISCUSSION, INCLUDING EXAMPLES, OF WASTE-TO-ENERGY FACILITIES AND TECHNOLOGY.

AVAILABILITY: PUBLIC WORKS; V117 N5

IRIS ACCESSION NUMBER: EW013377

PUBLICATION DATE: MAY 86

TITLE: PERFORMANCE APPRAISAL: YOUR QUESTIONS ANSWERED.

PERSONAL AUTHOR: KIRKPATRICK, DONALD L.

DESCRIPTOR: *EVALUATION; *PERFORMANCE APPRAISAL; *PERSONNEL

DESCRIPTIVE NOTE: 68-71P.

ABSTRACT: BOTH HRD PROFESSIONALS AND MANAGERS STILL ARE UNSURE ABOUT HOW TO CONDUCT AND EVALUATE EFFECTIVE, FAIR APPRAISAL PROGRAMS. THIS ARTICLE PRESENTS IDEAS TO ANSWER SOME OF THE QUESTIONS ASKED MOST FREQUENTLY.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V40 N5

IRIS ACCESSION NUMBER: EW013378

PUBLICATION DATE: MAY 86

TITLE: CREATING A PERFORMANCE MANAGEMENT SYSTEM.

PERSONAL AUTHOR: SCHNEIER, CRAIG ERIC; AND OTHERS

DESCRIPTOR: *EVALUATION; *MANAGEMENT; *PERFORMANCE APPRAISAL; *PERFORMANCE EVALUATION; *PERSONNEL

DESCRIPTIVE NOTE: 74-79P.

ABSTRACT: THIS ARTICLE COMPLETES A TWO-PART SERIES BEGUN IN APRIL THAT SHOWS PERFORMANCE MANAGEMENT SYSTEMS TO BE THE NEXT STAGE IN THE EVOLUTION OF TRADITIONAL PERFORMANCE APPRAISAL.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V40 N5

IRIS ACCESSION NUMBER: EW013379

PUBLICATION DATE: MAY 86

TITLE: TRAINING PROPOSALS THAT SELL THEMSELVES.

PERSONAL AUTHOR: SWEETNAM, SHERRY
DESCRIPTOR: *GUIDELINES; *PROPOSALS; *PROPOSAL WRITING; *TRAINING PROPOSALS

DESCRIPTIVE NOTE: 82-83P.

ABSTRACT: PRESENTED ARE SOME GUIDELINES TO INCREASE THE SUCCESS RATE OF TRAINING PROPOSALS.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V40 N5

IRIS ACCESSION NUMBER: EW013380

PUBLICATION DATE: MAY 86

TITLE: UNION-MANAGEMENT COOPERATION.

PERSONAL AUTHOR: COHEN-ROSENTHAL, EDWARD; BURTON, CYNTHIA

DESCRIPTOR: *DESIGN; LABOR; *MANAGEMENT; PLANNING; *PROGRAM DEVELOPMENT; *UNIONS; TRAINING

DESCRIPTIVE NOTE: 96-98P.

ABSTRACT: QUALITY-OF-WORK-LIFE APPROACHES MAKE A COOPERATIVE CLIMATE A STRONG POSSIBILITY. SMOOTH RELATIONS BETWEEN UNIONS AND MANAGEMENT ARE SHOWN AS A FUNCTION OF PLANNING AND IMPLEMENTATION.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V40 N5

IRIS ACCESSION NUMBER: EW013381

PUBLICATION DATE: MAY 86

TITLE: WHO ARE THE HARDY?

PERSONAL AUTHOR: NOWACK, KENNETH M.

DESCRIPTOR: *BURNOUT; *HEALTH; *HEALTH ASSESSMENT AUDIT; *PERSONNEL; *STRESS; *TRAINING

DESCRIPTIVE NOTE: 116-18P.

ABSTRACT: UNDERSTANDING WHY SOME EMPLOYEES WORK BETTER UNDER STRESS CAN GO A LONG WAY TOWARD HELPING THOSE THAT CAN'T COPE IMPROVE THEIR PRODUCTIVITY. THIS ARTICLE PROVIDES A GUIDE TO HELP IDENTIFY LESS STRESS-RESISTANT EMPLOYEES, WHY THEY HAVE TROUBLE COPING, AND WHAT CAN BE DONE TO HELP THEM.

AVAILABILITY: TRAINING AND DEVELOPMENT JOURNAL; V40 N5

IRIS ACCESSION NUMBER: EW013382
PUBLICATION DATE: DEC 85

TITLE: AQUATIC WEED CONTROL. DECEMBER 1981-1985 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *AQUATIC WEEDS; *BIOLOGICAL CONTROL; *HERBICIDES; *WEEDS; *WEED CONTROL

DESCRIPTIVE NOTE: 164P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-854270/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE UTILIZATION OF HERBICIDES AND BIOLOGICAL METHODS IN THE MANAGEMENT OF NUISANCE AQUATIC WEEDS. DESCRIPTIONS OF PROGRAMS UNDERTAKEN IN VARIOUS REGIONS OF THE UNITED STATES ARE PRESENTED AS WELL AS SPECIFIC HERBICIDES AND BIOLOGICAL CONTROL METHODS. WATER HYACINTH, ALGAE, SEAGRASSES, EURASIAN WATERMILFOIL, AND HYDRILLA ARE AMONG THE AQUATIC PLANTS DISCUSSED. SOME ATTENTION IS GIVEN TO MECHANICAL CONTROL METHODS AND ENVIRONMENTAL EFFECTS OF VARIOUS PROGRAMS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 163 CITATIONS, 52 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013383

PUBLICATION DATE: JAN 86

TITLE: ASBESTOS: INDUSTRIAL APPLICATIONS AND PRECAUTIONS. 1974-1985 (CITATIONS FROM INFORMATION SERVICES IN MECHANICAL ENGINEERING DATA

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *ASBESTOS; BIBLIOGRAPHIES; *FEDERAL ROLE; *INDUSTRY; *HEALTH; *PUBLIC HEALTH; *REGULATIONS; *OCCUPATIONAL HEALTH

DESCRIPTIVE NOTE: 92P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857174/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE IMPACTS THAT FEDERAL REGULATIONS HAVE HAD ON THE USE OF ASBESTOS IN INDUSTRIAL ENVIRONMENTS. THE ADVANTAGES AND DISADVANTAGES OF THE APPLICATION OF INDUSTRIAL ROBOTS IN AREAS OF HIGH CONCENTRATIONS OF ASBESTOS DUST, THE USE OF WATER AS A CUTTING TOOL TO CONTROL THE GENERATION OF ASBESTOS DUST, ASBESTOS SUBSTITUTE MATERIALS IN INDUSTRIAL APPLICATIONS, AND GOVERNMENTAL POLICIES AND ATTITUDES RELATIVE TO HEALTH AND WELFARE OF WORKERS SUBJECTED TO ASBESTOS ARE AMONG THE TOPICS DISCUSSED. THERMAL INSULATION PROPERTIES, WEAR CHARACTERISTICS, HIGH TEMPERATURE CAPABILITIES, AND ASBESTOS REINFORCEMENT IN COMPOSITE MATERIALS ARE INCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 146 CITATIONS, 11 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013384
PUBLICATION DATE: FEB 86

TITLE: CHEMICAL ANALYSIS TECHNIQUES TO TRACE ELEMENTS. FEBRUARY 1984-FEBRUARY 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *ANALYTICAL TECHNIQUES; BIBLIOGRAPHIES; *AIR POLLUTION; *CHEMICAL ANALYSIS; *LABORATORY PROCEDURES; *SOIL POLLUTION; *TRACE POLLUTION; *TRACE ELEMENTS; *WATER POLLUTION

DESCRIPTIVE NOTE: 143P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857240/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING METHODS AND EQUIPMENT USED IN THE CHEMICAL ANALYSIS OF TRACE ELEMENTS AND COMPOUNDS OCCURRING IN TRACE AMOUNTS. ELECTRON MICROSCOPY, NEUTRON ACTIVATION ANALYSIS, SPECTROSCOPIC TECHNIQUES, DIFFRACTION, AND FLUORESCENCE ARE AMONG THE ANALYTICAL METHODS CONSIDERED. BIOLOGICAL TISSUE, AND AIR, SOIL, AND WATER POLLUTANTS ARE DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 142 CITATIONS, 73 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013386

PUBLICATION DATE: MAR 85

TITLE: COMPENDIUM OF PROTECTIVE EYEWEAR.

PERSONAL AUTHOR: MOSS, C. E.

DESCRIPTOR: *ACCIDENT PREVENTION; *EQUIPMENT; *EYEWEAR; *SAFETY

DESCRIPTIVE NOTE: 87P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-135779/WEP

ABSTRACT: WEARING APROPRIATE EYE AND FACE PROTECTION DEVICES WILL PREVENT OR MINIMIZE MOST EYE AND/OR FACIAL INJURIES. HOWEVER, AT PRESENT THERE IS NO DATA SOURCE AVAILABLE ON COMMERCIALLY AVAILABLE EYE AND FACE PROTECTORS. TO PROVIDE CHARACTERISTICS AND OTHER PRODUCT INFORMATION, THIS COMPENDIUM HAS BEEN DEVELOPED TO LIST ALL COMMERCIALLY AVAILABLE EYEWEAR PRODUCTS MANUFACTURED IN THE UNITED STATES AS OF JULY 1, 1984. THE EYE PROTECTORS LISTED IN THIS COMPENDIUM INCLUDE SPECTACLES, GOGGLES, WELDING HELMETS/HAND SHIELDS, FACE SHIELDS, AND FILTER PLATES. THE INFORMATION PROVIDED WILL ASSIST THE HEALTH AND SAFETY COMMUNITY IN SELECTING APPROPRIATE EYE AND FACE PROTECTION FOR THE JOB.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013387
PUBLICATION DATE: SEP 85

TITLE: CONSIDERATIONS IN RANGELAND WATERSHED MONITORING.

PERSONAL AUTHOR: JACKSON, W. L.; AND OTHERS

DESCRIPTOR: *MONITORING; *RANGELAND; *WATERSHEDS; *WATER RESOURCES; *WATER SUPPLY; *WATER QUALITY

DESCRIPTIVE NOTE: 30P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-135399/WEP

ABSTRACT: THE REPORT DESCRIBES THE COMPONENTS OF A RANGELAND WATERSHED MONITORING PLAN, DISTINGUISHES BETWEEN DIRECT MONITORING STRATEGIES (SAMPLING) AND INDIRECT MONITORING STRATEGIES (MODELING), DESCRIBES COMMON WATERSHED MONITORING TECHNIQUES, AND DISCUSSES STATISTICAL CONSIDERATIONS IN SAMPLING DESIGNS AND DATA ANALYSIS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013388

PUBLICATION DATE: NOV 85

TITLE: COST AND PERFORMANCE EVALUATION OF IN-PLANT TRIHALOMETHANE CONTROL TECHNIQUES.

PERSONAL AUTHOR: TAYLOR, J. S.; AND OTHERS

DESCRIPTOR: *COSTS; *OPERATIONS (WATER); *PERFORMANCE EVALUATION; *THM; *TRIHALOMETHANE; *WATER TREATMENT

DESCRIPTIVE NOTE: 440P. PRICE CODE: PC A19/MF A01. ORDER NO.: PB86-130515/WEP

ABSTRACT: BENCH-, PILOT-, OR FULL-SCALE STUDIES WERE CONDUCTED TO EVALUATE THE COST AND PERFORMANCE OF SELECTED TREATMENT TECHNOLOGIES FOR REDUCING TRIHALOMETHANE CONCENTRATIONS IN DRINKING WATER. THE FOUR FLORIDA PLANT SITES THAT WERE SELECTED FOR STUDY USED HIGHLY ORGANIC SURFACE OR GROUND RAW WATER SOURCES AND SERVED POPULATIONS OF LESS THAN 30,000. LOW-PRESSURE MEMBRANE PROCESSES (ULTRAFILTRATION), POLYVALENT ALUMINUM CHLORIDE (PACI) COAGULATION, DISSOLVED AIR AND FROTH FLOTATION, LIME SOFTENING FOLLOWED BY ALUM COAGULATION, AND MODIFICATIONS TO CONVENTIONAL LIME SOFTENING AND ALUM COAGULATION WERE INVESTIGATED. SHORT-TERM PILOT-SCALE TESTING OF AN ULTRAFILTRATION PROCESS SHOWED GREAT PROMISE AS A THM CONTROL TECHNOLOGY; HOWEVER, FURTHER WORK ON PROCESS PRETREATMENT AND DISPOSAL OF REJECT WATER IS INDICATED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013389
PUBLICATION DATE: JAN 86

TITLE: DISINFECTANTS: CHLORINE AND CHLORINE DIOXIDE. 1978-JANUARY 1986 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *CHLORINE; *CHLORINE DIOXIDE; *DISINFECTION; *OPERATIONS (WASTEWATER); *RESEARCH; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 166P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-856424/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE ANTIMICROBIAL PROPERTIES OF CHLORINE AND CHLORINE DIOXIDE. THE USE OF CHLORINE FOR THE INACTIVATION OF VIRUSES, BACTERIA AND FUNGI IN WASTEWATER TREATMENT PLANTS IS DISCUSSED, INCLUDING THE MODE OF ACTION AND FACTORS INFLUENCING INACTIVATION. THE USE OF CHLORINE DIOXIDE AS AN ALTERNATIVE TO CHLORINE DISINFECTION IN SWIMMING POOLS AND WATER SUPPLIES, AND POSSIBLE ADVERSE EFFECTS ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 200 CITATIONS, 20 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013390
PUBLICATION DATE: DEC 85

TITLE: EUTROPHIC LAKES. 1978-1985 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *EUTROPHIC LAKES; *LAKES; *RESEARCH; *WATER QUALITY; *WATER RESOURCES

DESCRIPTIVE NOTE: 204P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-854411/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING CAUSES, EFFECTS, AND VARIOUS APPROACHES IN LIMITING NUTRIENT LOADING INTO EUTROPHIC LAKES THROUGHOUT THE WORLD. NUTRIENT REMOVAL TREATMENT AND PERFORMANCE IS INCLUDED IN ANOTHER BIBLIOGRAPHY. EUTROPHIC LAKE IDENTIFICATION, AND ECOLOGICAL AND LIMNOLOGICAL STUDIES OF EUTROPHIC LAKE DEVELOPMENT AND RESTORATION ARE PRESENTED. INCLUDED IN THE CITATIONS ARE DISCUSSIONS OF PHOSPHORUS AND NITROGEN CONCENTRATIONS IN LAKES, AND ANALYSES OF LAKE WATER QUALITY. (THIS UPDATED BIBLIOGRAPHY CONTAINS 194 CITATIONS, 58 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE; 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013391
PUBLICATION DATE: JUN 85

TITLE: EVALUATION OF EMERGING TECHNOLOGIES FOR THE DESTRUCTION OF HAZARDOUS WASTES.

PERSONAL AUTHOR: RADIMSKY, J.; SHAH, A.

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *INNOVATIONS; *HAZARDOUS WASTES; *OPERATIONS (WASTE TREATMENT); *RECOMMENDATIONS; *TECHNOLOGY; *WASTE TREATMENT

DESCRIPTIVE NOTE: 100P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-128717/WEP

ABSTRACT: THE OBJECTIVE OF THE REPORT IS TO PROVIDE DETAILED INFORMATION REGARDING FOUR INNOVATIVE ALTERNATIVE TECHNOLOGIES DEMONSTRATION PROJECTS FOR TREATING AND DESTROYING HAZARDOUS WASTES. UNDER A COOPERATIVE AGREEMENT BETWEEN THE U.S. ENVIRONMENTAL PROTECTION AGENCY AND THE STATE OF CALIFORNIA, THE DEPARTMENT OF HEALTH SERVICES (DHS) CARRIED OUT A PILOT SCALE TEST PROGRAM ON THE FOLLOWING PROMISING TECHNOLOGIES: HIGH TEMPERATURE FLUID-WALL, EVALUATION OF EMISSION TESTS FROM SUNOHIO MOBILE TREATMENT PROCESS, WET AIR OXIDATION, AND EVALUATION OF EMISSION TESTS FROM WET AIR OXIDATION ZIMPRO PROCESS. DISCUSSIONS OF THE ABOVE PROCESSES INCLUDE PROJECT DESCRIPTIONS, RESULTS, CONCLUSIONS, AND RECOMMENDATIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013392

PUBLICATION DATE: DEC 85

TITLE: FOOD PROCESSING WASTE TREATMENT. 1976-1985 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *EQUIPMENT; *FOOD PROCESSING; *INDUSTRY; *OPERATIONS (FOOD PROCESSING); *WASTE TREATMENT

DESCRIPTIVE NOTE: 147P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-854247/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING METHODS AND EQUIPMENT UTILIZED IN THE TREATMENT OF FOOD PROCESSING WASTES. SPECIFIC FOOD INDUSTRIES INCLUDE MEATPACKING, FRUIT AND VEGETABLE, SEAFOOD, AND POULTRY. PROCESSES AND EQUIPMENT USED IN THE DAIRY INDUSTRY ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 160 CITATIONS, 17 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013393
PUBLICATION DATE: SEP 85

TITLE: GUIDANCE PACKAGE FOR DEVELOPING BASE LEVEL ENVIRONMENTAL ASSESSMENTS.

PERSONAL AUTHOR: COLLINS, RUSSELL D.; AND LAMB, R. W.

DESCRIPTOR: *AIR FORCE; ENVIRONMENT; *ENVIRONMENTAL ASSESSMENT; *GUIDELINES; *REGULATIONS

DESCRIPTIVE NOTE: 73P. PRICE CODE: PC A04/MF A01. ORDER NO.: AD-A160 938/7/WEP

ABSTRACT: THE AIR FORCE ENGINEERING DIVISION HAS IDENTIFIED THE NEED TO DEVELOP GUIDELINES TO ENSURE THAT AF ENVIRONMENTAL ASSESSMENTS (EAS) COVER ALL TOPICS RELEVANT TO AN ACTION'S IMPACT ON THE ENVIRONMENT. THIS THESIS EXAMINED THE PROBLEM AREAS OF CURRENT AF EAS, AND THE REGULATIONS CURRENTLY USED. FROM THE RESEARCH, A DRAFT PAMPHLET HAS BEEN DEVELOPED AND IS BEING WORKED FOR FUTURE PUBLICATION. THE PAMPHLET WAS DEVELOPED FROM INTERVIEWS WITH AIR FORCE PERSONNEL WHO WORKED WITH EAS ON A DAILY BASIS, AND FROM EXAMINING PAST AF ASSESSMENTS THAT HAVE COVERED THE REQUIRED INFORMATION. BESIDES PUBLISHING THE PAMPHLET, OTHER RECOMMENDATIONS INCLUDE A FIELD TRAINING CLASS ON EA PREPARATION, LEADERSHIP AND MANAGEMENT AWARENESS PROGRAMS ON THE IMPORTANCE OF ASSESSMENTS, AND AN INFORMATION PACKAGE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013395

PUBLICATION DATE: SEP 84

TITLE: HEALTH EFFECTS ASSESSMENT FOR ARSENIC.

DESCRIPTOR: *ARSENIC; *CHEMICALS; *HEALTH EFFECTS; *HEALTH; *TOXIC SUBSTANCES; *RISK ASSESSMENT

DESCRIPTIVE NOTE: 60P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-134319/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMATIC TOXICANTS, OR Q(SUB 1) VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION ROUTES. A Q(SUB 1) WAS DETERMINED FOR ARSENIC BASED ON ORAL AND INHALATION EXPOSURE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

ACCESSION NUMBER: EW013396
ICATION DATE: SEP 84

E: HEALTH EFFECTS ASSESSMENT FOR ETHYLBENZENE.

RIPTOR: *ETHYLBENZENE; *CHEMICALS; *HEALTH EFFECTS;
LTH; *TOXIC SUBSTANCES

RIPTIVE NOTE: 29P. PRICE CODE: PC A03/MF A01. ORDER
PB86-134194/WEP

RACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY
NTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS
LOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT
CE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL
ONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED
S OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC
HRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES
DETERMINED FOR SYSTEMATIC TOXICANTS, OR Q(SUB 1) VALUES
DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION
ES. A SUBCHRONIC AND CHRONIC INTERIM ACCEPTABLE INTAKE
DETERMINED FOR ETHYLBENZENE BASED ON ORAL EXPOSURE.

LABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285
ROYAL ROAD, SPRINGFIELD, VA 22161

ACCESSION NUMBER: EW013397

ICATION DATE: SEP 84

E: HEALTH EFFECTS ASSESSMENT FOR MERCURY.

RIPTOR: *CHEMICALS; HEALTH; *HEALTH EFFECTS; *MERCURY;
IC SUBSTANCES

RIPTIVE NOTE: 48P. PRICE CODE: PC A03/MF A01. ORDER
PB86-134533/WEP

RACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY
NTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS
LOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT
CE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL
ONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED
S OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC
HRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES
DETERMINED FOR SYSTEMATIC TOXICANTS, OR Q(SUB 1) VALUES
DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION
ES. A SUBCHRONIC AND CHRONIC INTERIM ACCEPTABLE INTAKE
DETERMINED FOR MERCURY BASED ON BOTH ORAL AND INHALATION
SURE. ESTIMATES FOR MIXED ALKYL AND INORGANIC MERCURY
E ARE PRESENTED.

LABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285
ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013398
PUBLICATION DATE: SEP 84

TITLE: HEALTH EFFECTS ASSESSMENT FOR NAPTHALENE.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *NAPHTHALENE; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 27P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-134251/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMATIC TOXICANTS, OR Q(SUB 1) VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION ROUTES. SUFFICIENT DATA ARE NOT AVAILABLE AT THIS TIME ON NAPHTHALENE TO DETERMINE EITHER ACCEPTABLE INTAKES OR Q(SUP 1) S.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013399

PUBLICATION DATE: SEP 84
TITLE: HEALTH EFFECTS ASSESSMENT FOR PHENOL.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *PHENOL; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 28P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-134186/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMATIC TOXICANTS, OR Q(SUB 1) VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH RAL AND INHALATION ROUTES. A SUBCHRONIC AND CHRONIC INTERIM ACCEPTABLE INTAKE WAS DETERMINED FOR PHENOL BASED ON BOTH ORAL AND INHALATION EXPOSURE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013400
PUBLICATION DATE: JAN 86

TITLE: ION EXCHANGE RESINS. FEBRUARY 1983-1985 (CITATIONS FROM THE ENERGY DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; CHEMICAL REACTIONS; HEAVY METALS; *ION EXCHANGE; *ION EXCHANGE RESINS; RADIOACTIVE WASTES; *RESINS; *WASTE TREATMENT; *WATER TREATMENT; *RESOURCE RECOVERY

DESCRIPTIVE NOTE: 201P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-856135/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING ION EXCHANGE RESINS AND MATERIALS AND OTHER APPLICATIONS. RECOVERY, PURIFICATION, AND TREATMENT OF URANIUM, PLUTONIUM, THORIUM, AND OTHER HEAVY METALS; OF RADIOACTIVE WASTES; AND, OF WATER AND OTHER VARIOUS SUBSTANCES ARE DISCUSSED. UTILIZATION OF ION EXCHANGE RESINS IN NUCLEAR REACTORS AND POWER PLANTS, AND IN CHEMICAL REACTIONS AND PROCEDURES ARE INCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 201 CITATIONS, 73 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013401

PUBLICATION DATE: JAN 86
TITLE: LASER RADIATION: BIOLOGICAL EFFECTS. 1978-JANUARY 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ACCIDENT PREVENTION; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *BIOLOGICAL EFFECTS; *HEALTH; *HEALTH EFFECTS; *LASER RADIATION; *LASERS; *RADIATION; *SAFETY

DESCRIPTIVE NOTE: 103P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-856986/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING RADIATION INJURIES, PERMISSIBLE DOSAGE, PROTECTIVE DEVICES, AND SAFETY MEASURES. INCLUDED ARE REFERENCES REGARDING THE PATHOLOGY OF EYE LESIONS CAUSED BY LASERS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 125 CITATIONS, 12 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013402

PUBLICATION DATE: DEC 85

TITLE: MALATHION TOXICITY. 1978-1985 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ENVIRONMENTAL EFFECTS; *INSECTICIDES; *MALATHION; *PESTICIDES; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 113P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-854882/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE TOXIC EFFECTS OF THE INSECTICIDE MALATHION. TOPICS INCLUDE LABORATORY ANALYSES AND FIELD INVESTIGATIONS OF BLOOD CHEMISTRY ALTERATION, SYNERGISTIC EFFECTS WITH OTHER COMPOUNDS, DOSAGE EFFECTS, AND OCCUPATIONAL EXPOSURE STUDIES. EFFECTS ON NUCLEIC ACID SYNTHESIS AND CHOLESTEROL AND LIPID LEVELS ARE ALSO TREATED. DETECTION AND ANALYTICAL METHODS ARE CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 141 CITATIONS, 46 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013403

PUBLICATION DATE: DEC 85

TITLE: METALS RECOVERY FROM WASTES. 1977-1985(CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *INDUSTRIAL WASTES; *METALS; *RECYCLING; *RESOURCE RECOVERY; *WASTE TREATMENT; *WASTEWATER TREATMENT
DESCRIPTIVE NOTE: 221P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-854122/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE RECOVERY AND RECYCLING OR REUSE OF FERROUS AND NONFERROUS METALS FROM VARIOUS INDUSTRIAL WASTES, ESPECIALLY WASTE WATERS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 224 CITATIONS, 20 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE; 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013404

PUBLICATION DATE: AUG 85

TITLE: METHODS FOR ASSESSING EXPOSURE TO CHEMICAL SUBSTANCES. VOLUME 5. METHODS FOR ASSESSING EXPOSURE TO CHEMICAL SUBSTANCES IN DRINKIN

PERSONAL AUTHOR: DIXON, D. A.; AND OTHERS

DESCRIPTOR: *CHEMICALS; *DRINKING WATER; *MONITORING; *RISK ASSESSMENT; *WATER TREATMENT; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 163P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-132156/WEP

ABSTRACT: THE REPORT, ONE OF A SERIES OF REPORTS CONCERNING EXPOSURE ASSESSMENT, DESCRIBES METHODS FOR ESTIMATING EXPOSURE TO CHEMICAL SUBSTANCES VIA DRINKING WATER. THE REPORT IS ORGANIZED TO REFLECT THE FRAMEWORK OR FLOW OF REQUIRED INFORMATION. SECTION 2 PROVIDES AN OVERVIEW OF DRINKING WATER SYSTEMS AND THE PATHWAYS OF EXPOSURE TO CHEMICAL SUBSTANCES IN DRINKING WATER, FROM THE SOURCE OF THE SUBSTANCE THROUGH THE TREATMENT AND DISTRIBUTION SYSTEMS TO THE CONSUMING POPULATION. SECTION 3 CATALOGUES AND DISCUSSES THE VARIOUS DATA BASES AND INFORMATION SOURCES THAT AID IN THE IDENTIFICATION OF CONTAMINATED DRINKING WATER SUPPLIES. SECTION 4 PRESENTS AND DISCUSSES METHODS AND SIMULATION MODELS THAT CAN BE USED TO ESTIMATE THE CONCENTRATION OF CHEMICAL SUBSTANCES IN BOTH SURFACE AND GROUND WATER. SECTION 5 DISCUSSES DRINKING WATER TREATMENT SYSTEMS AND PROCESSES, THE EFFECT THE SYSTEMS AND PROCESSES HAVE ON DIFFERENT TYPES OF CHEMICAL SUBSTANCES, AND HOW THE INFORMATION CAN BE USED TO PREDICT THE CONCENTRATION OF A CHEMICAL SUBSTANCE IN FINISHED DRINKING WATER. SECTION 6 BRIEFLY DISCUSSES THE ENUMERATION AND CHARACTERIZATION OF EXPOSED POPULATIONS; DETAILED INFORMATION ON THE SUBJECT IS PROVIDED IN VOLUME 4 OF THE SERIES. FINALLY, SECTION 7 DISCUSSES THE PROCEDURES FOR CALCULATING EXPOSURE AS A RESULT OF CONTACT WITH CONTAMINATED DRINKING WATER.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013405

PUBLICATION DATE: DEC 85
TITLE: METHODS FOR EVALUATING THE BIOLOGICAL IMPACT OF POTENTIALLY TOXIC WASTE APPLIED TO SOILS.

PERSONAL AUTHOR: NEUHAUSER, E. F.

DESCRIPTOR: *BIOLOGICAL INDICATORS; BIOLOGY; CHEMICALS; *ENVIRONMENTAL IMPACT; *LAND APPLICATION; *RESEARCH REPORTS; *SOILS; *TOXIC WASTES

DESCRIPTIVE NOTE: 27P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-141264/WEP

ABSTRACT: THE STUDY WAS DESIGNED TO EVALUATE TWO METHODS THAT CAN BE USED TO ESTIMATE THE BIOLOGICAL IMPACT OF ORGANICS AND INORGANICS THAT MAY BE IN WASTES APPLIED TO LAND FOR TREATMENT AND DISPOSAL. THE TWO METHODS WERE THE CONTACT TEST AND THE ARTIFICAL SOIL TEST. THE CONTACT TEST IS A 48 HR TEST USING AN ADULT WORM, A SMALL GLASS VIAL, AND FILTER PAPER TO WHICH THE TEST CHEMICAL OR WASTE IS APPLIED. THE TEST IS DESIGNED TO PROVIDE CLOSE CONTACT BETWEEN THE WORM AND A CHEMICAL SIMILAR TO THE SITUATION IN SOILS. THE METHOD PROVIDES A RAPID ESTIMATE OF THE RELATIVE TOXICITY OF CHEMICALS AND INDUSTRIAL WASTES. THE ARTIFICIAL SOIL TEST USES A MIXTURE OF SAND, KAOLIN, PEAT AND CALCIUM CARBONATE AS A REPRESENTATIVE SOIL. DIFFERENT CONCENTRATIONS OF THE TEST MATERIAL ARE ADDED TO THE ARTIFICAL SOIL. ADULT WORMS ARE ADDED AND WORM SURVIVAL IS EVALUATED AFTER TWO WEEKS. THESE STUDIES HAVE SHOWN THAT: EARTHWORMS CAN DISTINGUISH BETWEEN A WIDE VARIETY OF CHEMICALS WITH A HIGH DEGREE OF ACCURACY.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013406

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ACETONITRILE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *ACETONITRILE; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 27P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-129566/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161.

IRIS ACCESSION NUMBER: EW013407

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ACROLEIN.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *ACROLEIN; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 34P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143542/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE

CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013408

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ACRYLONITRILE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *ACRYLONITRILE; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 71P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-145919/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013409

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: AMITROLE.

PERSONAL AUTHOR: SANTODONATO, J.; AND OTHERS

DESCRIPTOR: *AMITROLE; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285

PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013410

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ANILINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *ANILINE; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 38P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-144615/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013411

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ARSINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *ARSINE; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 34P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143518/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285

PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013412

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: AZIRIDINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *AZIRIDINE; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 23P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-136587/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013413

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: BENZYL CHLORIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *BENZYL CHLORIDE; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 33P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143344/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013414

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPHS ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: BENZENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *BENZENE; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 59P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-149341/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013415

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CARBARYL.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CARBARYL; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 38P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143427/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013416

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CARBON DISULFIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CARBON DISULFIDE; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 39P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143476/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013417

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CARBON TETRACHLORIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CARBON TETRACHLORIDE; *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 45P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143377/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE

CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013418

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CHLOROFORM.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *CHLOROFORM; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 42P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147279/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013419

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CHROMIC ACID.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *CHROMIC ACID; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 42P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-148368/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN

THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013420

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CREOSOTE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *CREOSOTE; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 42P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147303/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013421

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CRESOLS.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *CRESOLS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 30P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-142080/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN

THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013422

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: DIAZINON.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *DIAZINON; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 32P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143443/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013423

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: DICHLORVOS.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *DICHLORVOS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 31P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-148343/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC

RATURE; WHERE APPROPRIATE THE READER IS REFERRED TO
REHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN
REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE
RMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE
ICAL.

LABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285
ROYAL ROAD, SPRINGFIELD, VA 22161

ACCESSION NUMBER: EW013424

ICATION DATE: JUL 85

E: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE
PLACE: DIETHYL SULFATE.

ONAL AUTHOR: SANTODONATO, J.; AND OTHERS

RIPTOR: *CHEMICALS; *DIETHYL SULFATE; *HEALTH; *HEALTH
ECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC
TANCES

RIPTIVE NOTE: 24P. PRICE CODE: PC A02/MF A01. ORDER
PB86-135571/WEP

TRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF
ORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF
CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED
OUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE
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PREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN
REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE
ORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE
MICAL.

ILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285
ROYAL ROAD, SPRINGFIELD, VA 22161

ACCESSION NUMBER: EW013425

ICATION DATE: JUL 85

E: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE
PLACE: DIMETHYLFORMAMIDE.

ONAL AUTHOR: SANTODONATO, J.

CRIPTOR: *CHEMICALS; *DIMETHYLFORMAMIDE; *HEALTH;
LTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT;
IC SUBSTANCES

CRIPTIVE NOTE: 24P. PRICE CODE: PC A02/MF A01. ORDER
PB86-143500/WEP

TRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF
ORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF
CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED
OUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE

PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013426

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: DIPHENYL.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *DIPHENYL; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 38P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143450/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013427

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: EPICHLOROHYDRIN.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *EPICHLOROHYDRIN; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 49P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143435/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF

THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013428

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ETHYLENE DIBROMIDE (EDB).

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *ETHYLENE DIBROMIDE; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 53P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-133162/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013429

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ETHYLENE GLYCOL ETHERS.

PERSONAL AUTHOR: SANTODONATO, J.; AND OTHERS

DESCRIPTOR: *CHEMICALS; *ETHYLENE GLYCOL ETHERS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 42P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-131422/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013430

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ETHYLENE OXIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *ETHYLENE OXIDE; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 57P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-143559/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013431

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ISOPROPYL ALCOHOL.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *ISOPROPYL ALCOHOL; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 29P. PRICE CODE: PC A03/MF A01. ORDER

NO.: PB86-143401/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013432

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: 4,4'-METHYLENEDIANILINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *4,4-METHYLENEDIANILINE; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 34P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143369/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013433

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: GLYCIDYL ETHERS.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *GLYCIDYL ETHERS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 36P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB85-132073/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013434

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: HEXACHLOROETHANE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *HEXACHLOROETHANE; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 24P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-149317/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013435

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: HYDROQUINONE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *HYDROQUINONE; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT;

*TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 34P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-130069/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013436

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: LEAD.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *LEAD; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 51P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-147287/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013437

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: LINDANE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *LINDANE;

*OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 37P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147329/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013438

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: MALATHION.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *MALATHION; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 37P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147246/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013439

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: METHYLENE CHLORIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *METHYLENE CHLORIDE; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 49P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-148350/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013440

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: NICKEL.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *METALS; *NICKEL; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 49P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147337/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013441

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: NITROANILINES.

PERSONAL AUTHOR: SANTODONATO, J.
DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *NITROANILINES; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 28P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147295/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013442

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: 1,4-DIOXANE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *1,4-DIOXANE; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 32P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-131414/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013443

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE

WORKPLACE: 1,3-BUTADIENE.
PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *1,3-BUTADIENE; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 53P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-147261/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013444

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: 1,2-DICHLOROETHANE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *1,2-DICHLOROETHANE; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 47P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147212/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013445
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: 1,2-DICHLOROPROPANE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *1,2-DICHLOROPROPANE; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 32P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143492/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013446

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: PARATHION.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *PARATHION; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 40P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147311/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013447
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: PENTACHLORONITROBENZENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *PENTACHLORONITROBENZENE; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 28P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147253/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013448

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: PHOSGENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *PHOSGENE; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 32P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-135126/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013449
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: PYRIDINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *PYRIDINE; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 35P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143385/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013450

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: TETRACHLOROETHYLENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TETRACHLOROETHYLENE; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 47P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-147238/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013451
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: TRICHLOROETHYLENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES; *TRICHLOROETHYLENE

DESCRIPTIVE NOTE: 52P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-147220/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013452

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: TOLUENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOLUENE; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 53P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-144698/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013453
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: 2,4-DINITROTOLUENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES; *2,4-DINITROTOLUENE

DESCRIPTIVE NOTE: 38P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143468/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013454

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: 2,6-DICHLORO-4-NITROANILINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *2,6-DICHLORO-4-NITROANILINE; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 26P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143526/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013455
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON THE POTENTIAL CARCINOGENIC RISK TO HUMANS: ALLYL CHLORIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *ALLYL CHLORIDE; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 33P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-148715/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013456

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON THE POTENTIAL CARCINOGENIC RISK TO HUMANS: NITROPROPANES.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *NITROPROPANES; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 31P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143393/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013457
PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON THE POTENTIAL CARCINOGENIC RISK TO HUMANS: PARAQUAT.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *PARAQUAT; *RISK ASSESSMENT

DESCRIPTIVE NOTE: 27P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143534/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013458

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON THE POTENTIAL CARCINOGENIC RISK TO HUMANS: TURPENTINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES; *TURPENTINE

DESCRIPTIVE NOTE: 30P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-143351/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013459
PUBLICATION DATE: JAN 86

TITLE: OIL SHALE WASTE DISPOSAL: ENVIRONMENTAL IMPACTS. 1976-1985 (CITATIONS FROM THE ENERGY DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *BIBLIOGRAPHIES; *ENVIRONMENT; *ENVIRONMENTAL IMPACTS; *INDUSTRY; *MINING; *OIL SHALE; *POLLUTION CONTROL; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 260P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-856820/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE IMPACTS UPON THE ENVIRONMENT OF THE DISPOSAL OF WASTE FROM THE MINING AND PROCESSING OF OIL SHALE. METHODS FOR THE CONTROL OR MINIMIZATION OF ENVIRONMENTAL DAMAGE CREATED BY THESE ACTIVITIES ARE ALSO PRESENTED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 286 CITATIONS, 150 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013460

PUBLICATION DATE: JAN 86

TITLE: OIL SPIL REMOVAL: DISPERSANTS, ABSORBANTS, BOOMS, AND SKIMMERS. 1978-85 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *CLEAN-UP; *ENVIRONMENT; *ENVIRONMENTAL IMPACTS; *OIL SPILLS; *OIL; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 128P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-856226/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE TECHNIQUES AVAILABLE FOR THE REMOVAL OF OIL FOLLOWING MAJOR SPILLS. CHEMICAL DISPERSANTS, GELLING AGENTS, FOAM PLASTICS, BOOMS, SKIMMERS, AND BURNING ARE DISCUSSED. SPECIFIC OIL SPILLS ARE CONSIDERED AND THE ENVIRONMENTAL IMPACTS OF OIL SPILLS ARE NOTED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 153 CITATIONS, 27 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013461

PUBLICATION DATE: FEB 86

TITLE: OIL SPILL REMOVAL TECHNIQUES AND EQUIPMENT. 1976-FEB 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES;

*CLEAN-UP; *EQUIPMENT; *ENVIRONMENT; *INDUSTRY; *OIL SPILLS; *OIL; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 172P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857430/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING METHODS AND EQUIPMENT USED FOR THE CONTAINMENT AND REMOVAL OF OIL AS A RESULT OF OIL SPILL MISHAPS. DISPERSANTS, SEPARATORS, SKIMMERS AND ABSORBANTS ARE DISCUSSED. RELATED STUDIES REGARDING FILM SPREADING AND DISPERSION ARE PRESENTED. STUDIES PERTAINING TO SHIPBOARD BALLAST AND BILGEWATER CLEANING ARE EXCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 190 CITATIONS, 10 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013462

PUBLICATION DATE: SEP 84

TITLE: OVERVIEW OF THE RESOURCES FOR THE FUTURE ENVIRONMENTAL DATA INVENTORY: METHODS, SOURCES AND PRELIMINARY RESULTS. VOLUME 1.

PERSONAL AUTHOR: GIANESSI, L. P.; PESKIN, H. M.

DESCRIPTOR: *DATABASES; *INVENTORIES; *POLLUTANTS; *REDI; *WATER QUALITY; *WATER POLLUTION CONTROL
DESCRIPTIVE NOTE: 127P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-134988/WEP

ABSTRACT: THE RESOURCES FOR THE FUTURE ENVIRONMENTAL DATA INVENTORY (REDI) DESCRIBES DISCHARGES OF 17 POLLUTANTS TO THE NATION'S WATERS FROM OVER 80,000 INDUSTRIAL, MUNICIPAL, URBAN, AND AGRICULTURAL SOURCES. THE DATA ARE INDEXED IN SUFFICIENT DETAIL TO PERMIT AGGREGATION BY ECONOMIC SECTOR, STATE, COUNTY, AND HYDROLOGIC UNIT. DATA GAPS HAVE BEEN FILLED WITH PROVISIONAL ESTIMATES USING A NUMBER OF ESTIMATION PROCEDURES. BY INTEGRATING AND CROSS CHECKING EXISTING STATE, LOCAL, AND FEDERAL DATA BASES, SYSTEM-DEVELOPMENT COSTS HAVE BEEN KEPT AT A MINIMUM. THE REPORT DESCRIBES THE METHODS USED TO DEVELOP REDI. ALSO, DATA SUMMARIES ARE PROVIDED THAT DEMONSTRATE THE DIFFERENCES IN QUANTITY AND QUALITY OF WASTE PRODUCTS ACCORDING TO STATE AND SECTOR DESIGNATIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013463

PUBLICATION DATE: SEP 84

TITLE: OVERVIEW OF THE RESOURCES FOR THE FUTURE ENVIRONMENTAL DATA INVENTORY: METHODS, SOURCES, AND PRELIMINARY RESULTS. VOLUME 2.

PERSONAL AUTHOR: GIANESSI, L. P.; PESKIN, H. M.

DESCRIPTOR: *DATABASES; *INVENTORIES; *POLLUTANTS; *REDI; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 256P. PRICE CODE: PC A12/MF A01. ORDER NO.: PB86-134996/WEP

ABSTRACT: THE RESOURCES FOR THE FUTURE ENVIRONMENTAL DATA INVENTORY (REDI) DESCRIBES DISCHARGES OF 17 POLLUTANTS TO THE NATION'S WATERS FROM OVER 80,000 INDUSTRIAL, MUNICIPAL, URBAN, AND AGRICULTURAL SOURCES. THE DATA ARE INDEXED IN SUFFICIENT DETAIL TO PERMIT AGGREGATION BY ECONOMIC SECTOR, STATE, COUNTY, AND HYDROLOGIC UNIT. DATA GAPS HAVE BEEN FILLED WITH PROVISIONAL ESTIMATES USING A NUMBER OF ESTIMATION PROCEDURES. BY INTEGRATING AND CROSS CHECKING EXISTING STATE, LOCAL, AND FEDERAL DATA BASES, SYSTEM-DEVELOPMENT COSTS HAVE BEEN KEPT AT A MINIMUM. THE REPORT DESCRIBES THE METHODS USED TO DEVELOP REDI. ALSO, DATA SUMMARIES ARE PROVIDED THAT DEMONSTRATE THE DIFFERENCES IN QUANTITY AND QUALITY OF WASTE PRODUCTS ACCORDING TO STATE AND SECTOR DESIGNATIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013464

PUBLICATION DATE: DEC 85

TITLE: PERCEPTION OF LAKE WATER RESOURCES MANAGEMENT.
PERSONAL AUTHOR: GELDREICH, E. E.

DESCRIPTOR: *LAKES; *MANAGEMENT; MONITORING; *RESERVOIRS; RECREATION; *WATER RESOURCES; PLANNING; *WATER QUALITY

DESCRIPTIVE NOTE: 24P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-136033/WEP

ABSTRACT: LAKES, IMPOUNDMENTS, AND RESERVOIRS ARE COMPLEX ENVIRONMENTS. MANY INTERACTING FACTORS DETERMINE WATER QUALITY AND RECREATIONAL USE POTENTIAL. EACH LAKE OR RESERVOIR IS DIFFERENT AND PRESENTS UNIQUE PROBLEMS TO WATER SUPPLY TREATMENT OPERATION AND TO FULL ENJOYMENT BY THE PUBLIC. ONLY THROUGH IMPLEMENTATION OF LAKE MANAGEMENT STRATEGIES THAT INCLUDE A WELL DESIGNED MONITORING PROGRAM AND RESPONSIVE ACTION PLAN CAN THERE BE OPTIMUM USE OF THIS WATER RESOURCE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013465

PUBLICATION DATE: FEB 85

TITLE: PERMIT WRITERS' GUIDANCE MANUAL FOR HAZARDOUS WASTE LAND STORAGE AND DISPOSAL FACILITIES. PHASE 1. CRITERIA FOR LOCATION ACCEPTAB

DESCRIPTOR: *FACILITIES; *GUIDANCE MANUALS; *PERMIT WRITERS; *HAZARDOUS WASTES; *STORAGE; *WASTE DISPOSAL; *REGULATIONS; *USEPA

DESCRIPTIVE NOTE: 177P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-125580/WEP

ABSTRACT: THE 'PERMIT WRITERS' GUIDANCE MANUAL FOR THE LOCATION OF HAZARDOUS WASTE LAND TREATMENT, STORAGE, AND DISPOSAL FACILITIES' HAS THREE PURPOSES: (1) TO PROVIDE GUIDANCE IN DEFINING ACCEPTABLE PHYSICAL LOCATIONS FOR HAZARDOUS WASTE LAND TREATMENT, STORAGE, AND DISPOSAL (HWLTSD) UNITS, (2) TO CITE AVAILABLE REGULATIONS AND STATUTES AND HOW THESE SHOULD BE APPLIED IN EVALUATING THE ACCEPTABILITY OF LOCATIONS, AND (3) TO PRESENT AN OUTLINE SUMMARY OF FUTURE AGENCY EFFORTS TO ENSURE BOTH PROPER SITE ANALYSIS AND SAFE LOCATION OF SUCH FACILITIES. THE INTENDED AUDIENCE IS EPA REGIONAL OFFICE STAFF AND AUTHORIZED STATE AGENCY PERSONNEL WHO EVALUATE PERMIT APPLICATIONS UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA). PART OF A BROAD PROGRAM TO ENCOURAGE SAFE AND PROPER SITING OF HAZARDOUS WASTE FACILITIES, THIS MANUAL IS THE FIRST OF A FIVE DOCUMENT SERIES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013466

PUBLICATION DATE: JAN 86

TITLE: POLYCHLORINATED BIPHENYLS IN THE FRESHWATER ENVIRONMENT. 1977-JAN 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACT DATA

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; ENVIRONMENT; *ENVIRONMENTAL IMPACT; *MONITORING; *POLYCHLORINATED BIPHENYLS; *PCBS; POLLUTION; *POLLUTION CONTROL; *BIOLOGICAL IMPACTS

DESCRIPTIVE NOTE: 170P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857000/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE OCCURRENCE AND EFFECTS OF POLYCHLORINATED BIPHENYLS IN THE FRESHWATER ENVIRONMENT. TOPICS INCLUDE SOURCES, DISTRIBUTION, AND ACCUMULATION RATES FOR SPECIFIC REGIONS, BIOACCUMULATION, POLLUTANT PATHS AND INTRODUCTION INTO THE FOOD CHAIN, AND RESULTS OF LONG AND SHORT TERM MONITORING OF SELECTED AREAS. DETECTION METHODS FOR PCB ACCUMULATION IN FISH AND SURFICIAL SEDIMENTS ARE ALSO CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 167 CITATIONS, 27 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013467

PUBLICATION DATE: JAN 86

TITLE: POLYCHLORINATED BIPHENYLS: OCCURRENCE AND TREATMENT IN MUNICIPAL AND INDUSTRIAL WASTES. 1977-JAN 1986 (CITATIONS FROM THE SELECTE

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *EQUIPMENT; *INDUSTRIAL WASTES; *MUNICIPAL WASTES; *PCBS; *POLYCHLORINATED BIPHENYLS; *OPERATIONS (WASTE TREATMENT); *WASTE DISPOSAL; *WASTE TREATMENT

DESCRIPTIVE NOTE: 114P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857083/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING TREATMENT AND DISPOSAL METHODS, SPECIFIC SITE STUDIES, DETECTION METHODS AND EQUIPMENT, AND MONITORING TECHNIQUES FOR POLYCHLORINATED BIPHENYLS IN INDUSTRIAL AND MUNICIPAL WASTES. TREATMENT METHODS INCLUDE ACTIVATED CARBON, INCINERATION, AND BIODEGRADATION. LEGAL AND REGULATORY ASPECTS ARE ALSO DISCUSSED. REPORTS PERTAINING SPECIFICALLY TO THE OCCURRENCE OF THESE COMPOUNDS IN SEDIMENTS AND SOILS ARE EXCLUDED FROM THIS BIBLIOGRAPHY. (THIS UPDATED BIBLIOGRAPHY CONTAINS 104 CITATIONS, 10 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013468

PUBLICATION DATE: JAN 86

TITLE: POLYCHLORINATED BIPHENYLS: OCCURRENCE IN SEDIMENTS AND SOILS. 1977-JAN 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACT

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *FIELD STUDIES; *LABORATORY PROCEDURES; *PCBS; *POLYCHLORINATED BIPHENYLS; *SEDIMENTS; *SOILS; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 160P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857075/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING FIELD AND LABORATORY ANALYSES OF POLYCHLORINATED BIPHENYLS IN SEDIMENTS AND SOILS. TOPICS INCLUDE SITE STUDIES, CHEMICAL ANALYSES OF ADSORPTION-DESORPTION PROCESSES, DECOMPOSITION IN SOILS, INCLUDING BIODEGRADATION, AND BIOACCUMULATION. DETECTION METHODS ARE EQUIPMENT, AND THE IMPACT OF DREDGING IN CONTAMINATED AREAS ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 149 CITATIONS, 19 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013469
PUBLICATION DATE: SEP 85

TITLE: PRACTICAL GUIDE FOR GROUND-WATER SAMPLING.

PERSONAL AUTHOR: BARCELONA, M. J.; AND OTHERS

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *FIELD TESTS; *GROUND WATER; *LABORATORY PROCEDURES; *SAMPLING; *WATER QUALITY

DESCRIPTIVE NOTE: 184P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-137304/WEP

ABSTRACT: THE REPORT CONCERNS BOTH LABORATORY AND FIELD TESTING OF SAMPLING MATERIALS AND SAMPLING MECHANISMS WITH AN EMPHASIS ON MINIMIZING ERROR, PARTICULARLY FOR VOLATILE ORGANIC COMPOUND SAMPLING AND ANALYSIS. THE ESSENTIAL ELEMENTS OF EFFECTIVE GROUND-WATER SAMPLING INCLUDE: EVALUATION OF THE HYDROGEOLOGIC SETTING AND PROGRAM INFORMATION NEEDS; PROPER WELL-PLACEMENT AND CONSTRUCTION; EVALUATION OF WELL-PERFORMANCE AND PURGING STRATEGIES; DESIGN AND EXECUTION OF SAMPLING AND ANALYTICAL PROTOCOLS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013470

PUBLICATION DATE: AUG 85

TITLE: PRELIMINARY INVESTIGATION OF SEWAGE SLUDGE UTILIZATION IN ROADSIDE DEVELOPMENT.

PERSONAL AUTHOR: CAHN, D. C.; HORNER, R. R.

DESCRIPTOR: *LAND APPLICATION; *RESOURCE RECOVERY; *ROADSIDE DEVELOPMENT; *SEWAGE SLUDGE; *WASTE DISPOSAL; *WASHINGTON

DESCRIPTIVE NOTE: 99P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-141215/WEP

ABSTRACT: PROBLEMS WITH EXISTING SLUDGE DISPOSAL PRACTICES, COMBINED WITH NEW INFORMATION ABOUT ITS NUTRITIVE AND SOIL-CONDITIONING QUALITIES, HAVE LED TO ACCEPTED PRACTICES OF LAND APPLICATION OF SLUDGE. BOTH THE DEPARTMENT OF TRANSPORTATION, AS AN AGENCY WITH LARGE LAND HOLDINGS AND LANDSCAPING NEEDS, AND MUNICIPALITIES IN WASHINGTON STATE MAY BENEFIT FROM LAND APPLICATION OF SLUDGE ON ROADSIDES. THE USE OF SEWAGE SLUDGE ON ROADSIDES CAN POTENTIALLY IMPROVE THE GROWTH OF EROSION CONTROL GRASSES, SHRUBS AND TREES WHILE MINIMIZING THE COSTS FOR SUBSEQUENT RESEEDING, REPLANTING, OR REFERTILIZATION. PROPER SITE SELECTION AND MANAGEMENT TECHNIQUES CAN POTENTIALLY MINIMIZE PUBLIC HEALTH AND ENVIRONMENTAL IMPACTS FROM HEAVY METALS, NITRATES, PATHOGENS AND ORGANIC TOXICANTS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013471
PUBLICATION DATE: 83

TITLE: PSYCHOLOGY IN HEALTH RISK MESSAGES FOR WORKERS.

PERSONAL AUTHOR: COHEN, A.; AND OTHERS

DESCRIPTOR: *COMMUNICATION; *GUIDELINES; *HEALTH; *HEALTH RISKS; *OCCUPATIONAL HEALTH; *NIOSH; *SAFETY

DESCRIPTIVE NOTE: 67P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-134830/WEP

ABSTRACT: A NIOSH PROJECT TO DEVELOP GUIDELINES FOR COMPANY HEALTH RISK NOTICES TO ITS EMPLOYEES WAS DESCRIBED. THE GOAL OF THE PROJECT WAS TO CREATE NOTICES HAVING A HIGH POTENTIAL FOR INCREASING WORKER ASSIMILATION AND UNDERSTANDING OF JOB HAZARDS AND RISKS, AND TO PROMOTE SAFE WORK PRACTICES TO REDUCE THE HAZARDS. THE PROJECT INVOLVED: FORMATION OF AN ADVISORY GROUP THAT INCLUDED OUTSIDE SCIENTISTS WITH SPECIALTY KNOWLEDGE ABOUT COMMUNICATIONS AND HEALTH RISK WHO WOULD SUBMIT A REVIEW PAPER OUTLINING EFFECTIVE HEALTH RISK INFORMATION; OBTAINING REACTIONS TO THE REVIEW FROM MANAGEMENT AND UNION REPRESENTATIVES; FORMULATION OF A SET OF DRAFT GUIDELINES BY NIOSH; DISTRIBUTING DRAFT GUIDELINES TO THE ADVISORY GROUPS FOR REVISION; REVISING THE GUIDELINES; AND FIELD TRIALS TO APPLY AND TEST THE GUIDELINES. FOURTEEN GUIDELINES WERE DEVELOPED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013472

PUBLICATION DATE: DEC 85

TITLE: REMOTE SENSING APPLIED TO ENVIRONMENTAL POLLUTION DETECTION AND MANAGEMENT. 1970-85 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *AIR POLLUTION; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *DETECTION; ENVIRONMENT; *MANAGEMENT; POLLUTION; *POLLUTION CONTROL; *REMOTE SENSING; *WATER POLLUTION

DESCRIPTIVE NOTE: 230P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-854098/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE UTILIZATION OF REMOTE SENSING TECHNIQUES AND EQUIPMENT TO STUDY AIR AND WATER POLLUTION PROBLEMS. TOPICS INCLUDE THE USE OF AERIAL PHOTOGRAPHS, VARIOUS RADAR TECHNIQUES, AND SPACEBORNE PHOTOGRAPHY TO STUDY OIL SPILLS, OCEAN DUMPING SITES, PLUME DISPERSIONS, AND POLLUTION PROBLEMS IN ESTUARIES. DATA INTERPRETATION AND PROCESSING TECHNIQUES ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 257 CITATIONS, 21 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013473
PUBLICATION DATE: FEB 86

TITLE: SEWAGE SLUDGE PRETREATMENT AND DISPOSAL. DECEMBER 1981-FEBRUARY 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *EQUIPMENT; *OPERATIONS (WASTEWATER); *SEWAGE SLUDGE; *SLUDGE; *WASTE TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 226P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857398/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING TECHNIQUES AND EQUIPMENT UTILIZED IN THE PRETREATMENT PROCESSES AND DISPOSAL OF SEWAGE SLUDGES. TOPICS INCLUDE RESOURCE AND ENERGY RECOVERY OPERATIONS, LAND DISPOSAL, COMPOSTING, OCEAN DISPOSAL, AND INCINERATION. DIGESTION, DEWATERING, AND DISINFECTION ARE AMONG THE PRETREATMENT PROCESSES DISCUSSED. ENVIRONMENTAL ASPECTS, INCLUDING THE EFFECTS ON SOILS, PLANTS, AND ANIMALS ARE ALSO PRESENTED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 249 CITATIONS, 56 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013474

PUBLICATION DATE: 85

TITLE: SOLERAS-SOLAR ENERGY WATER DESALINATION PROJECT: CHICAGO BRIDGE AND IRON COMPANY. FINAL REPORT: SYSTEM DESIGN EXTENSION. VOL. 1

DESCRIPTOR: *COSTS; *DESALINATION; *DESIGN; *ENERGY CONSERVATION; *FACILITIES; *OPERATIONS (WATER); *SAUDI ARABIA; *SOLAR ENERGY; *WATER RESOURCES; *WATER TREATMENT

DESCRIPTIVE NOTE: 200P. PRICE CODE: PC A09/MF A01. ORDER NO.: DE86001276/WEP

ABSTRACT: THE DESIGN OF A SOLAR ENERGY POWERED, SEA WATER DESALINATION PILOT PLANT FOR INSTALLATION AT YANBU, SAUDI ARABIA, ON THE SHORE OF THE RED SEA IS PRESENTED. EARLIER WORK IS INTRODUCED AND A DESCRIPTION OF THE SYSTEM IS PRESENTED. IMPORTANT DESIGN ANALYSES AND COST REDUCTION CONSIDERATIONS ARE REVIEWED. THE PILOT PLANT DESIGN IS DESCRIBED IN DETAIL. CONSTRUCTION PLANS FOR AND PROJECTED OPERATION OF THE PLANT ARE DISCUSSED. (ERA CITATION 11:002285)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013475
PUBLICATION DATE: 85

TITLE: SOLERAS-SOLAR ENERGY WATER DESALINATION PROJECT: EXXON RESEARCH AND ENGINEERING. SYSTEM DESIGN FINAL REPORT, VOL 1. DESIGN DESCR

DESCRIPTOR: *COSTS; *DESALINATION; *DESIGN; *ENERGY CONSERVATION; *FACILITIES; *OPERATIONS (WATER); *PERFORMANCE EVALUATION; *SAUDI ARABIA; *SOLAR ENERGY; *WATER RESOURCES; *WATER TREATMENT

DESCRIPTIVE NOTE: 238P. PRICE CODE: PC A11/MF A01. ORDER NO.: DE86001245/WEP

ABSTRACT: THE DESIGN OF A SOLAR POWERED WATER DESALINATION SYSTEM IS PRESENTED. DESIGN DATA INCLUDING INSOLATION AND CLIMATE OF THE YANBU, SAUDI ARABIA SITE ARE INCLUDED. TWO SOLAR DESALINATION DESIGNS WERE DEVELOPED INCLUDING: (1) A CONCEPTUAL BASELINE PLANT POWERED BY A SOLAR CENTRAL RECEIVER-HELIOSTAT FIELD, AND (2) A PILOT PLANT THAT DEMONSTRATES AND EVALUATES THE DESIGN FEATURES OF THE BASELINE PLANT. THE DESALINATION PROCESS INVOLVES A HYBRID REVERSE OSMOSIS/MULTIPLE EFFECT DISTILLATION PROCESS. THE PERFORMANCE AND ECONOMICS OF THE DESIGN PLANTS ARE ANALYZED. (ERA CITATION 11:002281)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013476

PUBLICATION DATE: 85

TITLE: SOLERAS-SOLAR ENERGY WATER DESALINATION PROJECT: EXXON RESEARCH AND ENGINEERING. SYSTEM DESIGN FINAL REPORT, VOL 2. APPENDICES B

DESCRIPTOR: *COSTS; *DESALINATION; *DESIGN; *ENERGY CONSERVATION; *EQUIPMENT; *FACILITIES; *OPERATIONS (WATER); *PERFORMANCE EVALUATION; *SAUDI ARABIA; *SOLAR ENERGY; *WATER RESOURCES; *WATER TREATMENT

DESCRIPTIVE NOTE: 331P. PRICE CODE: PC A15/MF A01. ORDER NO.: DE86001246/WEP

ABSTRACT: THE DETAILS OF THE DESIGN OF A CONCEPTUAL BASELINE SOLAR DESALINATION PLANT ARE PROVIDED. YANBU, SAUDI ARABIA IS THE SITE FOR THE PLANT. DETAILS ARE DEFINED FOR SEVERAL OF THE PLANT SUBSYSTEMS INCLUDING: ENERGY STORAGE, ENERGY DELIVERY, REVERSE OSMOSIS/MULTIPLE EFFECT DISTILLATION, WATER STORAGE, WASTE DISPOSAL, BACKUP POWER GENERATION, CONTROLS AND INSTRUMENTATION, DATA ACQUISITION, AND FACILITIES AND ENCLOSURES SUBSYSTEMS. THE PLANT EQUIPMENT IS LISTED AND PROCESS FLOW DIAGRAMS ARE INCLUDED. COST ESTIMATES AND ECONOMIC ANALYSES OF THE PLANT ARE DOCUMENTED. (ERA CITATION 11::002282)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013477
PUBLICATION DATE: 85

TITLE: SOLERAS-SOLAR ENERGY WATER DESALINATION PROJECT: EXXON RESEARCH AND ENGINEERING. SYSTEM DESIGN FINAL REPORT. VOL 3. APPENDICES

DESCRIPTOR: *COSTS; *DESIGN; *DESALINATION; *FACILITIES; *OPERATIONS (WATER); *SAUDI ARABIA; *SOLAR ENERGY; *SOLERAS; *WATER TREATMENT; *WATER SUPPLY

DESCRIPTIVE NOTE: 409P. PRICE CODE: PC A18/MF A01. ORDER NO.: DE86000428/WEP

ABSTRACT: DETAILS OF THE DESIGN OF A WATER DESALINATION SOLAR PILOT PLANT IN YANBU, SAUDI ARABIA ARE PRESENTED. THE MAJOR SUBSYSTEMS OF THE PLANT ARE DEFINED, INCLUDING SOLAR ENERGY COLLECTION AND SIMULATION, ENERGY STORAGE, ENERGY DELIVERY, REVERSE OSMOSIS/MULTIPLE EFFECT DISTILLATION, WATER STORAGE, WASTE DISPOSAL, BACKUP POWER GENERATORS, CONTROLS AND INSTRUMENTATION DATA ACQUISITION, FACILITIES AND ENCLOSURES, AND COMPUTERS. A LIST OF THE PLANT EQUIPMENT AND A SET OF PROCESS FLOW DIAGRAMS ARE PROVIDED. A COST ANALYSIS OF THE PILOT PLANT IS INCLUDED. (ERA CITATION 11:002283)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013478
PUBLICATION DATE: 85

TITLE: SOLERAS-SOLAR ENERGY DESALINATION PROJECT: MARTIN MARIETTA CORPORATION. PILOT PLANT FINAL REPORT.

DESCRIPTOR: *DESIGN; *DESALINATION; *FACILITIES; *OPERATIONS (WATER); *PILOT PLANTS; *SAUDI ARABIA; *SOLAR ENERGY; *SOLERAS; *WATER TREATMENT; *WATER SUPPLY

DESCRIPTIVE NOTE: 150P. PRICE CODE: PC A07/MF A01. ORDER NO.: DE86001249/WEP

ABSTRACT: THIS REPORT DOCUMENTS THE TECHNICAL EFFORT OF MARTIN MARIETTA CORPORATION, IN ASSOCIATION WITH BLACK AND VEATCH INTERNATIONAL AS A SUBCONTRACTOR FOR THE TRADE STUDIES PERFORMED TO DESIGN A SOLAR DESALINATION PILOT PLANT IS DOCUMENTED. THE FINAL SYSTEM CONFIGURATION UTILIZES EXISTING TECHNOLOGY TO CONVERT SEAWATER TO POTABLE WATER. THIS TECHNOLOGY INCLUDES THE COLLECTION OF SOLAR ENERGY, STORAGE OF THIS ENERGY IN A FLUID HEAT TRANSFER MEDIUM, GENERATION OF STEAM AND ELECTRICITY FROM THIS STORED ENERGY, UTILIZATION OF LOW PRESSURE TURBINE EXHAUST STEAM AS A SOURCE OF ENERGY TO DISTILL SALT WATER, AND ALSO GENERATION OF POTABLE WATER THROUGH THE USE OF A REVERSE OSMOSIS UNIT. (ERA CITATION 11:002284)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013479
PUBLICATION DATE: DEC 85

TITLE: STORM WATER MANAGEMENT MODEL (SWMM) BIBLIOGRAPHY.

PERSONAL AUTHOR: HUBER, W. C.; AND OTHERS

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *MANAGEMENT; *MODELS; *STORM WATER; *SURFACE RUNOFF; *SWMM; *WASTEWATER COLLECTION; *STORM WATER MANAGEMENT MODEL

DESCRIPTIVE NOTE: 66P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-136041/WEP

ABSTRACT: AVAILABLE LITERATURE SOURCES WERE REVIEWED TO LOCATE REFERENCES TO THE THEORY, DOCUMENTATION, USE, OR OTHER ACTIVITIES RELATED TO THE EPA STORM WATER MANAGEMENT MODEL (SWMM). LISTED IN THE ANNOTATED BIBLIOGRAPHY ARE 237 SUCH CITATIONS, ALONG WITH KEYWORDS AND BRIEF ABSTRACTS. THE REFERENCES ALSO ARE INDEXED BY AN ALPHABETICAL LISTING OF KEYWORDS. THE BIBLIOGRAPHY REPRESENTS THE BEST SOURCE OF INFORMATION ON CASE STUDIES AND MODEL DOCUMENTATION AVAILABLE TO THE SWMM USER.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013480

PUBLICATION DATE: JAN 86
TITLE: STRIP MINING: HYDROLOGY. 1977-JANUARY 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *GROUNDWATER; *HYDROLOGY; *MINING; *STRIP MINING; *WATER POLLUTION; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 280P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-857257/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE HYDROLOGIC IMPACTS OF STRIP MINING. THE POTENTIAL IMPACTS OF STRIP MINING ON SURFACE AND GROUND WATER AND MEASURES TO MONITOR AND CONTROL WATER POLLUTION ARE DISCUSSED. SITE REHABILITATION IS ALSO CONSIDERED. (THIIS UPDATED BIBLIOGRAPHY CONTAINS 263 CITATIONS, 37 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013481

PUBLICATION DATE: DEC 85

TITLE: TOXICITY OF COBALT. 1970-1985 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *COBALT; *ENVIRONMENT; *ENVIRONMENTAL IMPACTS; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 161P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-854189/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE TOXICITY, CARCINOGENICITY, ENVIRONMENTAL POLLUTION, AND OTHER ADVERSE EFFECTS OF COBALT. THE DETECTION, ANALYTICAL METHODS, AND STANDARDS ARE CONSIDERED, AND METHODS OF REMOVAL FROM THE ENVIRONMENT ARE DISCUSSED. THE EFFECTS ON AQUATIC AND TERRESTRIAL FLORA AND FAUNA, INCLUDING HUMANS, ARE CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 154 CITATIONS, 75 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013482

PUBLICATION DATE: JAN 86

TITLE: TOXICITY OF HALOGENATED ORGANIC COMPOUNDS. MARCH 1983-JANUARY 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *CHEMICALS; *ENVIRONMENTAL IMPACTS; *HEALTH EFFECTS; *HALOGENATED ORGANIC COMPOUNDS; INDUSTRY; *ORGANIC COMPOUNDS; *TOXIC SUBSTANCES
DESCRIPTIVE NOTE: 263P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-856929/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING HEALTH AND ENVIRONMENTAL EFFECTS OF HALOGENATED ORGANIC COMPOUNDS. TOPICS INCLUDE LABORATORY AND FIELD INVESTIGATIONS REGARDING BIOACCUMULATION AND CONCENTRATION, METABOLIC ASPECTS, AND SPECIFIC SITE STUDIES IN INDUSTRIAL AND COMMERCIAL OPERATIONS. PESTICIDES, SOLVENTS, AND A VARIETY OF INDUSTRIAL COMPOUNDS ARE DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 279 CITATIONS, 98 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013483

PUBLICATION DATE: JAN 86

TITLE: TOXICITY OF PESTICIDES. FEBRUARY 1985-JANUARY 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *HEALTH EFFECTS; *ENVIRONMENTAL IMPACTS; *PESTICIDES; *REGULATIONS; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 132P. PRICE CODE: PC N01/MF N01. ORDER

NO.: PB86-856945/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING OCCUPATIONAL SURVEYS, CLINICAL INVESTIGATIONS, AND LABORATORY ANALYSES PERTAINING TO THE TOXIC EFFECTS OF PESTICIDES. TOPICS INCLUDE TERRESTRIAL AND AQUATIC ECOSYSTEM RESPONSES, REGULATORY ASPECTS, TRANSPORT AND METABOLISM, AND REGISTRATION STANDARDS AND PROCEDURES. THE DETECTION OF SPECIFIC COMPOUNDS AND THEIR EFFECTS ON SELECTED SPECIES ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 136 CITATIONS, ALL OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EWE13484

PUBLICATION DATE: 85

TITLE: TOXICOLOGY: COMMON PROBLEMS ENCOUNTERED BY ENVIRONMENTAL HEALTH PROFESSIONALS - A SELF-PACED LEARNING MODULE.

PERSONAL AUTHOR: BEAULIEU, H. J.; BEAULIEU, D. L.

DESCRIPTOR: *ENVIRONMENTAL HEALTH; *INSTRUCTIONAL MATERIALS; *POSTSECONDARY EDUCATION; *TOXICOLOGY

DESCRIPTIVE NOTE: 97P. PRICE CODE: PC A05/MF A01. ORDER NO.: HRP-0906647/3/WEP
ABSTRACT: THE SELF-PACED LEARNING MODULE IS INTENDED TO IMPROVE THE KNOWLEDGE AND SKILLS OF PRACTITIONERS IN ENVIRONMENTAL HEALTH, AS WELL AS OTHER INVOLVED PERSONS, IN CONTROLLING THE HAZARD TO HUMAN HEALTH AND THE ENVIRONMENT FROM THE USE AND MISUSE OF TOXIC SUBSTANCES. THE MODULE CONTAINS SEVEN LESSONS WHICH ARE PRACTICAL IN CONTENT AND RESULT FROM PRINCIPLES OF BASIC TOXICOLOGY AND APPLIED INDUSTRIAL HYGIENE PRACTICE. AT THE END OF EACH LESSON IS A PROGRESS CHECK CONSISTING OF SEVERAL QUESTIONS BASED UPON CONTENT OF THE LESSON. IF YOU CANNOT ANSWER THE QUESTIONS, RESTUDY THE LESSON AND SOME REFERENCES UNTIL YOU UNDERSTAND THE MATERIAL. UNDERSTANDING EACH LESSON IS IMPORTANT FOR THE SUCCESSFUL COMPLETION OF THE FINAL EXAMINATION.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EWE13485

PUBLICATION DATE: JAN 86

TITLE: VINYL CHLORIDE AND POLYVINYL CHLORIDE: TOXICOLOGY. 1973-85 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *HEALTH EFFECTS; *POLYVINYL CHLORIDE; *VINYL CHLORIDE; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 183P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-856119/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE TOXICITY OF VINYL CHLORIDE AND POLYVINYL CHLORIDE FOLLOWING SHORT AND LONG TERM EXPOSURES. METABOLISM, CARCINOGENICITY, AND TERATOGENITIC POTENTIAL OF THESE SUBSTANCES ARE CONSIDERED. METHODOLOGY TO QUANTITATE THEIR PRESENCE IN ATMOSPHERIC DUST AND BODY TISSUES ARE DISCUSSED. OCCUPATIONAL HAZARDS ARE ALSO NOTED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 231 CITATIONS, 11 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013486

PUBLICATION DATE: SEP 85

TITLE: WATER QUALITY ASSESSMENT: A SCREENING PROCEDURE FOR TOXIC AND CONVENTIONAL POLLUTANTS IN SURFACE AND GROUND WATER. PART 1, REV 85

PERSONAL AUTHOR: MILLS, W. B.; AND OTHERS

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *GROUNDWATER; *MANUALS; *SCREENING PROCEDURES; *SURFACE WATER; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 638P. PRICE CODE: PC A99/MF E04. ORDER NO.: PB86-122496/WEP

ABSTRACT: NEW TECHNICAL DEVELOPMENTS IN THE FIELD OF WATER QUALITY ASSESSMENT AND A REORDERING OF WATER QUALITY PRIORITIES PROMPTED A REVISION OF THE FIRST TWO EDITIONS OF THIS MANUAL. THE UTILITY OF THE REVISED MANUAL IS ENHANCED BY THE INCLUSION OF METHODS TO PREDICT THE TRANSPORT AND FATE OF TOXIC CHEMICALS IN GROUND WATER, AND BY METHODS TO PREDICT THE FATE OF METALS IN RIVERS. IN ADDITION, MAJOR REVISIONS WERE COMPLETED ON CHAPTER 2 (ORGANIC TOXICANTS), CHAPTER 3 (WASTE LOADINGS), AND CHAPTER 5 (IMPOUNDMENTS) THAT REFLECT RECENT ADVANCEMENTS IN THESE FIELDS. APPLYING THE MANUAL'S SIMPLE TECHNIQUES, THE USER IS NOW CAPABLE OF ASSESSING THE LOADING AND FATE OF CONVENTIONAL POLLUTANTS (TEMPERATURE, BIOCHEMICAL OXYGEN DEMAND-DISOLVED OXYGEN, NUTRIENTS, AND SEDIMENTS) AND TOXIC POLLUTANTS (FROM THE U.S. EPA LIST OF PRIORITY POLLUTANTS) IN STREAMS, IMPOUNDMENTS, ESTUARIES, AND GROUND WATERS. THE TECHNIQUES ARE READILY PROGRAMMED ON HAND-HELD CALCULATORS OR MICROCOMPUTERS. MOST OF THE DATA REQUIRED FOR USING THESE PROCEDURES ARE CONTAINED IN THE MANUAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013487

PUBLICATION DATE: SEP 85

TITLE: WATER QUALITY ASSESSMENT: A SCREENING PROCEDURE FOR TOXIC AND CONVENTIONAL POLLUTANTS IN SURFACE AND GROUND WATER. PART 2, REV 85

PERSONAL AUTHOR: MILLS, W. B.; AND OTHERS

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *CHEMICALS; *POLLUTANTS; *GROUNDWATER; *MANUALS; *SCREENING PROCEDURES; *SURFACE WATER; *TOXIC SUBSTANCES; *WATER QUALITY

DESCRIPTIVE NOTE: 496P. PRICE CODE: PC A21/MF A01. ORDER NO.: PB86-122504/WEP

ABSTRACT: NEW TECHNICAL DEVELOPMENTS IN THE FIELD OF WATER QUALITY ASSESSMENT AND A REORDERING OF WATER QUALITY PRIORITIES PROMPTED A REVISION OF THE FIRST TWO EDITIONS OF THIS MANUAL. THE UTILITY OF THE REVISED MANUAL IS ENHANCED BY THE INCLUSION OF METHODS TO PREDICT THE TRANSPORT AND FATE OF TOXIC CHEMICALS IN GROUND WATER, AND BY METHODS TO PREDICT THE FATE OF METALS IN RIVERS. IN ADDITION, MAJOR REVISIONS WERE COMPLETED ON CHAPTER 2 (ORGANIC TOXICANTS), CHAPTER 3 (WASTE LOADINGS), AND CHAPTER 5 (IMPOUNDMENTS) THAT REFLECT RECENT ADVANCEMENTS IN THESE FIELDS. APPLYING THE MANUAL'S SIMPLE TECHNIQUES, THE USER IS NOW CAPABLE OF ASSESSING THE LOADING AND FATE OF CONVENTIONAL POLLUTANTS (TEMPERATURE, BIOCHEMICAL OXYGEN DEMAND-DISOLVED OXYGEN, NUTRIENTS, AND SEDIMENTS) AND TOXIC POLLUTANTS (FROM THE U.S. EPA LIST OF PRIORITY POLLUTANTS) IN STREAMS, IMPOUNDMENTS, ESTUARIES, AND GROUND WATERS. THE TECHNIQUES ARE READILY PROGRAMMED ON HAND-HELD CALCULATORS OR MICROCOMPUTERS. MOST OF THE DATA REQUIRED FOR USING THESE PROCEDURES ARE CONTAINED IN THE MANUAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013488

PUBLICATION DATE: FEB 86

TITLE: SMALL DIAMETER GRAVITY SEWERS: AN ALTERNATIVE FOR UNSEWERED COMMUNITIES.

PERSONAL AUTHOR: OTIS, RICHARD J.

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *COSTS; *GRAVITY SEWERS; *CONSTRUCTION; *DESIGN; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *SEWERS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 125P. PRICE: $8.50

ABSTRACT: THE MOST RECENTLY INTRODUCED WASTEWATER COLLECTION ALTERNATIVE FOR SMALL UNSEWERED COMMUNITIES IS SEPTIC TANK EFFLUENT DRAINS OR SMALL DIAMETER GRAVITY SEWERS (SDGS). UNLIKE CONVENTIONAL SEWERS, SDGS ONLY COLLECT SETTLED WASTEWATER. GRIT, GREASE AND OTHER TROUBLESOME SOLIDS WHICH MIGHT CAUSE OBSTRUCTIONS IN THE COLLECTORS ARE SEPARATED FROM THE FLOW IN INTERCEPTOR TANKS UPSTREAM OF

EACH CONNECTION. THEREFORE, THE HYDRAULIC DESIGN OF SDGS NEED NOT BE BASED ON WATER CARRIAGE OF SOLIDS. THIS MAY ALLOW SIGNIFICANT COST SAVINGS IN CONSTRUCTION. A THREE YEAR LABORATORY AND FIELD STUDY WAS UNDERTAKEN TO EVALUATE SDGS AS A WASTEWATER COLLECTION ALTERNATIVE TO CONVENTIONAL SEWERS. THE OBJECTIVE OF THE STUDY WAS TO DEVELOP DESIGN CRITERIA WHICH WOULD MINIMIZE COSTS OF CONSTRUCTION WHILE MAINTAINING RELIABLE, TROUBLE-FREE OPERATION. THE STUDY INCLUDED A REVIEW OF THE DESIGN, CONSTRUCTION, OPERATION AND COSTS OF OPERATING SYSTEMS, DETAILED CHARACTERIZATION OF THE WESTBORO, WISCONSIN SDGS SYSTEM, AND A LABORATORY INVESTIGATION TO DEVELOP HYDRAULIC DESIGN CRITERIA. THE RESULTS OF THE STUDY INDICATE THAT SDGS IS A VIABLE AND LOW COST ALTERNATIVE FOR WASTEWATER COLLECTION IN UNSEWERED AREAS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013489

PUBLICATION DATE: FEB 86

TITLE: IMPROVING DESIGN AND OPERATION OF HEAT TREATMENT/LOW PRESSURE OXIDATION SYSTEMS.

DESCRIPTOR: *GUIDELINES; *MAINTENANCE; *DESIGN; *HEAT TREATMENT; *OPERATIONS (WASTEWATER); *OXIDATION SYSTEMS; *RESEARCH REPORTS; *SLUDGE; *SLUDGE CONDITIONING; *WASTEWATER TREATMENT; *THERMAL CONDITIONING

DESCRIPTIVE NOTE: 75P. PRICE: $5.50

ABSTRACT: THE PURPOSE OF THIS INVESTIGATION IS TO DOCUMENT POSSIBLE IMPROVEMENTS TO DESIGN, OPERATION, AND MAINTENANCE OF HEAT TREATMENT AND LOW PRESSURE OXIDATION SYSTEMS FOR CONDITIONING SLUDGE PRIOR TO DEWATERING IN MUNICIPAL WASTEWATER TREATMENT PLANTS. THE INFORMATION IN THIS REPORT IS INTENDED TO SUPPLEMENT AND QUALIFY LITERATURE, PROVIDE A BASIC UNDERSTANDING OF THERMAL CONDITIONING PROCESSES, AS WELL AS TO PROVIDE CONCISE INFORMATION ON DESIGN CONSIDERATIONS, OPERATIONAL CHARACTERISTICS, AND PROCESS AND EQUIPMENT PROBLEMS AND POSSIBLE SOLUTIONS. THE REPORT ALSO ADDRESSES GUIDELINES FOR THE DESIGN OF NEW HEAT TREATMENT AND LOW PRESSURE OXIDATION FACILITIES AND UPGRADING OF EXISTING FACILITIES. THIS REPORT WILL BE USEFUL TO DESIGN ENGINEERS, GOVERNMENTAL AGENCY REVIEW PERSONNEL, MUNICIPAL OFFICIALS, OPERATORS, AND OTHERS WHO ARE CONSIDERING USING THERMAL CONDITIONING IN A SLUDGE TREATMENT TRAIN, OR WHO ARE CONCERNED WITH OPTIMIZING THE PERFORMANCE OF AN EXISTING THERMAL CONDITIONING FACILITY. THE INFORMATION FOR THIS PROJECT WAS COLLECTED FROM AVAILABLE LITERATURE, REVIEW OF PREVIOUS SURVEYS OF WASTEWATER FROM THERMAL CONDITIONING MANUFACTURERS, INHOUSE EXPERIENCE, SITE VISITS TO WASTEWATER TREATMENT PLANTS NATIONWIDE, AND CONTACTS WITH MANUFACTURERS. THE DATA BASE IS PRESENTED IN THE APPENDIX.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013490

PUBLICATION DATE: FEB 86

TITLE: STORS: THE SLUDGE TO OIL REACTOR SYSTEM.

PERSONAL AUTHOR: MOLTON, P. M.; AND OTHERS

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *ENERGY CONSERVATION; *ENERGY; *OIL; *RESOURCE RECOVERY; *RECYCLING; *SLUDGE; *STORS; *TECHNOLOGY; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 123P. PRICE: $8.38

ABSTRACT: THE SLUDGE-TO-OIL REACTOR SYSTEM (STORS) CONTINUOUSLY CONVERTED OVER 400 GALLONS (20 PERCENT SOLIDS) OF SEWAGE SLUDGE TO OIL DURING 100 HOURS OF OPERATION. ABOUT 80 PERCENT OF THE ENERGY IN THE SLUDGE WAS RECOVERED AS AN OIL AND CHAR. THE ENERGY RECOVERED WAS SUFFICIENT TO MAKE THE STORS ENERGY SELF-SUFFICIENT ASSUMING THE CHAR IS BURNED TO FURNISH THE HEAT FOR THE PROCESS. STORS, WHEN FULLY DEVELOPED, APPEARS TO BE ANOTHER OPTION COMPETITIVE WITH INCINERATION FOR SLUDGE DISPOSAL. ONE TEST PERFORMED BY SPIKING THE SLUDGE WITH PESTICIDES INDICATED THAT SOME OF THE PESTICIDES WERE TOTALLY DESTROYED AND OTHERS WERE PARTLY DESTROYED DURING PROCESSING.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013491

PUBLICATION DATE: FEB 86

TITLE: AN EVALUATION OF SEPTIC LEACHATE DETECTION.

PERSONAL AUTHOR: DEESE, PATRICIA L.

DESCRIPTOR: *COSTS; *LEACHATE; *LEACHATE DETECTION; *PERFORMANCE EVALUATION; *SEPTIC TANKS; *TECHNOLOGY; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 120P. PRICE: $8.20

ABSTRACT: AN EVALUATION OF SEPTIC LEACHATE DETECTION (SLD) TECHNOLOGY WAS PERFORMED. THE RESULTS INDICATED THAT THE CONCEPTUAL BASIS OF SLD DEVICES IS UNPROVEN AND THE DEVICES HAVE NOT BEEN EVALUATED PROPERLY TO DETERMINE THEIR UTILITY AS A SCREENING DEVICE IN FACILITY PLANNING FOR RURAL LAKESHORE COMMUNITIES. EVEN IF THIS ISSUE IS NEGLECTED, THE COST-EFFECTIVENESS OF SLD SURVEYS IS MARGINAL.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013492

PUBLICATION DATE: FEB 86

TITLE: LARGE SOIL ABSORPTION SYSTEMS FOR WASTEWATERS FROM

MULTIPLE-HOME DEVELOPMENTS.

PERSONAL AUTHOR: SIEGRIST, ROBERT L.; AND OTHERS

DESCRIPTOR: *DESIGN; *HOMES; *MUNICIPALITIES; *PERFORMANCE EVALUATION; *SOIL ABSORPTION SYSTEMS; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 104P. PRICE: $7.84

ABSTRACT: AN INVESTIGATION WAS CONDUCTED TO PROVIDE INSIGHT INTO THE DESIGN AND PERFORMANCE OF LARGE SOIL ABSORPTION SYSTEMS FOR TREATMENT AND DISPOSAL OF WASTEWATER FROM MULTIPLE-HOME DEVELOPMENTS. THE OBJECTIVES WERE TO INVESTIGATE ABSORPTION SYSTEM PERFORMANCE AND IDENTIFY POTENTIAL DEFICIENCIES IN PRESENTLY USED DESIGN CRITERIA. WHERE POSSIBLE, RECOMMENDATIONS REGARDING MORE APPROPRIATE DESIGN AND OPERATION PRACTICES WERE TO BE MADE. THE STUDY WAS CONDUCTED IN THREE PARTS. A SURVEY OF STATE REGULATORY AGENCIES WAS CONDUCTED TO ENABLE CHARACTERIZATION OF THE DISTRIBUTION, REGULATORY STRUCTURES, DESIGN RESTRICTIONS AND STATE ATTITUDES ASSOCIATED WITH MULTIPLE-HOME SYSTEMS. AN IN-DEPTH FIELD INVESTIGATION OF THE COMMUNITY WASTEWATER ABSORPTION SYSTEM AT WESTBORO, WISCONSIN WAS CONDUCTED BETWEEN JUNE 1981 AND MAY 1983. THIS WORK INCLUDED DELINEATION OF THE SOIL AND SITE CHARACTERISTICS AND MONITORING OF THE APPLIED WASTEWATER, ABOSRPTION SYSTEM SOIL INFILTRABILITY, SUBSYSTEM SOIL MOISTURE AND PORE GAS, AND GROUNDWATER IMPACTS. THE FINAL PART OF THIS STUDY INCLUDED A MORE CASUAL FIELD INVESTIGATION OF SIX MULTIPLE HOME SYSTEMS LOCATED IN THE STATE OF WASHINGTON. THE BASIC CHARACTERISTICS OF EACH SYSTEM WERE DETERMINED INCLUDING THE FACILITY DESIGN, SOIL CONDITIONS, APPLIED WASTEWATER CHARACTER AND THE ABSORPTION SYSTEM PERFORMANCE.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013493

PUBLICATION DATE: FEB 86

TITLE: MICROBIAL ACTIVITY IN COMPOSTING MUNICIPAL SEWAGE SLUDGE.

PERSONAL AUTHOR: VESTAL, J. ROBIE; MCKINLEY, VICKY L.

DESCRIPTOR: *BIOLOGICAL TREATMENT; *COMPOSTING; *MICROBIOLOGY; *RESEARCH REPORTS; *SEWAGE SLUDGE; *SLUDGE; *WASTE DISPOSAL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 128P. PRICE: $8.74

ABSTRACT: RESEARCH WAS CONDUCTED TO IDENTIFY THE MOST IMPORTANT OPERATIONAL PARAMETERS WHICH LIMIT THE GROWTH AND DECOMPOSITION ACTIVITY OF COMPOSTING SLUDGE MICROBIOTA. SENSITIVE AND NONSELECTIVE BIOCHEMICAL METHODS OF MONITORING MICROBIAL BIOMASS AND ACTIVITY WERE TESTED AND USED TO STUDY THE INTERACTIONS BETWEEN THE MICROBIAL COMMUNITIES AND TEMPERATURE, THE PRIMARY FACTOR AFFECTING THEIR ACTIVITY DURING COMPOSTING. OPTIMUM TEMPERATURES FOR MICROBIAL ACTIVITY AND BIOMASS WERE GENERALLY WITHIN THE 35 DEGREES TO 55 DEGREES RANGE. BIOMASS WAS MONITORED BY MEASURING THE

LIPID PHOSPHATE CONTENT (AN IMPORTANT CELL MEMBRANE COMPONENT) OF THE COMPOST. OTHER PARAMETERS THAT WERE MEASURED INCLUDED THE MOISTURE CONTENT, TOTAL ORGANIC CONTENT, TOTAL PROTEIN CONTENT, AND PH.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013494

PUBLICATION DATE: FEB 86

TITLE: TRICKLING FILTER/SOLIDS CONTACT PROCESS: FULL-SCALE STUDIES.

PERSONAL AUTHOR: MATASCI, RAYMOND N.; AND OTHERS

DESCRIPTOR: *DESIGN; *FACILITIES; *OPERATIONS (WASTEWATER TREATMENT); *PERFORMANCE EVALUATION; *SOLIDS CONTACT FACILITIES; *TRICKLING FILTERS; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 170P. PRICE: $11.20

ABSTRACT: USE OF THE TRICKLING FILTER/SOLIDS CONTACT PROCESS HAS INCREASED SIGNIFICANTLY SINCE ITS SUCCESSFUL DEMONSTRATION AT THE CORVALLIS, OREGON PLANT IN 1979. THE PURPOSE OF THIS STUDY WAS TO DOCUMENT THE DESIGN FEATURES AND PERFORMANCE OF EXISTING TRICKLING FILTER/SOLIDS CONTACT FACILITIES AND TO GAIN MORE KNOWLEDGE ABOUT THE DESIGN AND OPERATION OF THE PROCESS. THE STUDIES INCLUDED A TOTAL OF 29 WEEKS OF FIELD INVESTIGATIONS AT FOUR PLANTS AND AN ANALYSIS OF OPERATING RECORDS AT THESE AND OTHER PLANTS. SPECIAL STUDIES ADDRESSED SEVERAL ISSUES. THE PRIMARY OBJECTIVES INCLUDED: (1) DEFINING THE TRICKLING FILTER/SOLIDS CONTACT PROCESS; (2) ASSESSING THE EFFECT OF COSETTLING IN THE PRIMARY SEDIMENTATION TANKS ON PRIMARY TREATMENT PERFORMANCE; (3) ASSESSING THE EFFECT OF TRICKLING FILTER LOADING, CONTACT TANK OPERATING PARAMETERS, SECONDARY CLARIFIER OVERFLOW RATE, AND COAGULANT ADDITION ON TRICKLING FILTER/SOLIDS CONTACT PERFORMANCE; AND (4) ASSESSING FLOCCULATION AND SOLUBLE BOD REMOVAL IN THE AERATED SOLIDS CONTACT TANK.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013495

PUBLICATION DATE: FEB 86

TITLE: INACTIVATION OF ENTERIC PATHOGENS DURING AEROBIC DIGESTION OF WASTEWATER SLUDGE.

PERSONAL AUTHOR: FARRAH, SAMUEL R.; AND OTHERS

DESCRIPTOR: *AEROBIC DIGESTION; *ENTERIC PATHOGENS; *OPERATIONS (WASTEWATER); *PATHOGENS; *PERFORMANCE EVALUATION; *RESEARCH REPORTS; *SLUDGE; *SLUDGE DIGESTION; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 78P. PRICE: $5.68

ABSTRACT: THE EFFECTS OF AEROBIC AND ANAEROBIC DIGESTION ON ENTERIC VIRUSES, ENTERIC BACTERIA, TOTAL AEROBIC BACTERIA, AND INTESTINAL PARASITES WERE STUDIED UNDER LABORATORY AND FIELD CONDITIONS. UNDER LABORATORY CONDITIONS, THE TEMPERATURE OF THE SLUDGE DIGESTION WAS THE MAJOR FACTOR INFLUENCING SURVIVAL OF BACTERIA AND VIRUSES. THEIR SURVIVAL WAS SUBSTANTIALLY GREATER AT 7 DEGREES THAN 28 DEGREES. LOWERING THE TEMPERATURE OR DISSOLVED OXYGEN LEVEL REDUCED THE PERCENTAGE OF SOLIDS ASSOCIATED ORGANISMS FOR BACTERIA BUT NOT FOR VIRUSES. BACTERIA WERE INACTIVATED AT DIFFERENT RATES DURING AEROBIC SLUDGE DIGESTION. STREPTOCOCCUS FAESALIS WAS MORE STABLE THAT SALMONELLA TYPHIMURIUM OR ESCHERICHIA COLI. VARYING DETENTION TIME OR SOURCE OF SLUDGE DID NOT AFFECT THE RATE OF INACTIVATION OF VIRUSES OR BACTERIA. AERATION OF STOCK ASCARIS SUUM IN SLUDGE REDUCED PERCENT EMBRYONATION AND INFECTIVITY IN RATS WHEN COMPARED TO AERATION IN 0.1 N H_2SO_4. FULL-SCALE AEROBIC DIGESTION OF SLUDGE REDUCED DENSITIES OF BACTERIA AND ENTEROVIRUSES. IN MOST CASES, THE REDUCTIONS WERE CLOSE TO THE MAXIMA PREDICTED FOR COMPLETELY MIXED DIGESTERS THAT CONTINUALLY RECEIVE UNDIGESTED SLUDGE. THE NUMBER OF PARASITIC OVA FOUND IN SLUDGES VARIED GREATLY WITH THE COMMUNITY SERVED BY THE TREATMENT PLANT. THE RELATIVELY LOW NUMBERS OF OVA RECOVERED IN THE SLUDGE SAMPLES MAKE IT DIFFICULT TO EVALUATE THE EFFECT OF SLUDGE DIGESTION ON THESE AGENTS.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013496

PUBLICATION DATE: FEB 86

TITLE: WET OXIDATION OF MUNICIPAL SLUDGE BY THE VERTICAL TUBE REACTOR.

PERSONAL AUTHOR: MCGREW, JAY L.; AND OTHERS

DESCRIPTOR: *OPERATIONS (WASTEWATER); *OXIDATION; *PILOT STUDIES; *SLUDGE; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 132P. PRICE: $8.92

ABSTRACT: A STUDY WAS UNDERTAKEN TO ASSESS THE FEASIBILITY OF CARRYING OUT OXIDATION OF DILUTE SEWAGE SLUDGE BY MEANS OF THE VERTICAL TUBE REACTOR (VTR) SYSTEM. A PILOT SCALE FACILITY ALONG WITH A LABORATORY REACTOR WERE USED FOR THIS STUDY. DILUTE SEWAGE SLUDGE WAS OXIDIZED IN THE LABORATORY REACTOR AT TEMPERATURES UP TO 343 DEGREES WITH APPROXIMATELY 80% COD REDUCTION, AND TO 265 DEGREES IN THE PILOT SCALE REACTOR WITH APPROXIMATELY 50% COD REDUCTION. THE PILOT SCALE STUDY PROVIDED INFORMATION ON SCALE BUILDUP AND CONTROL, STRUCTURAL, AND MECHANICAL DESIGN, METALLURGY, HYDRODYNAMIC BEHAVIOR, HEAT TRANSFER, AND OTHER SIGNIFICANT ENGINEERING FACTORS. THE RESULTS OF THIS PROGRAM INDICATE THAT THE VTR PROCESS POTENTIALLY HAS TECHNICAL AND ECONOMIC VIABILITY AS A MEANS OF TREATING SEWAGE SLUDGE IN CERTAIN CASES AND THAT A FULL SCALE DEMONSTRATION IS WARRANTED.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES

CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013497

PUBLICATION DATE: FEB 86

TITLE: EVALUATION OF A FLUIDIZED-BED SEWAGE SLUDGE INCINERATOR USING WOOD CHIPS FOR FUEL.

PERSONAL AUTHOR: KLEINHENC, NED J.; SMITH, GARY

DESCRIPTOR: *ENERGY RECOVERY; *EQUIPMENT; *INCINERATION; *INCINERATORS; *FLUIDIZED BED COMBUSTORS; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *RESOURCE RECOVERY; *SLUDGE; *WASTE DISPOSAL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 99P. PRICE: $6.94

ABSTRACT: AN ENVIRONMENTAL AND TECHNICAL EVALUATION WAS CONDUCTED ON THE WESTERN LAKE SUPERIOR SANITARY DISTRICT WASTE TREATMENT PLANT, WHICH USES WOOD CHIPS TO INCINERATE SEWAGE SLUDGE IN FLUIDIZED-BED COMBUSTORS. THE MOST IMPORTANT ENVIRONMENTAL FACTORS FOR EVALUATION WERE DETERMINED TO BE THE METAL CONTENTS OF THE PARTICULATE STACK EMISSIONS AND OF VARIOUS INFLUENT AND EFFLUENT STREAMS TO THE COMBUSTOR SCRUBBER SYSTEM. THE TECHNICAL EVALUATION USED DATA COLLECTED OVER THE LIFE OF THE FACILITY TO DEVELOP A MATHEMATICAL MODEL OF THE INCINERATION AND ENERGY RECOVERY SYSTEM. THE MODEL WAS CODED IN THE FORM OF A COMPUTER PROGRAM AND CAN RAPIDLY EVALUATE A WIDE VARIETY OF POSSIBLE SITUATIONS IN WHICH SUCH AN ENERGY RECOVERY APPROACH MIGHT BE TAKEN. THUS, THE TECHNICAL EVALUATION IS PRESENTED IN A WIDELY USABLE AND UNDERSTANDABLE FORM.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013498

PUBLICATION DATE: FEB 86

TITLE: TOXIC SUBSTANCE REMOVAL IN ACTIVATED SLUDGE AND PAC TREATMENT SYSTEMS.

PERSONAL AUTHOR: WEBER, WALTER J., JR.; JONES, BRUCE E.

DESCRIPTOR: *ACTIVATED CARBON; *ACTIVATED SLUDGE; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *SLUDGE; *TOXIC SUBSTANCES; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 560P. PRICE: $34.60

ABSTRACT: THE EFFECTIVENESS OF ADDING POWDERED ACTIVATED CARBON TO ACTIVATED SLUDGE SYSTEMS WAS EVALUATED FOR ENHANCED REMOVAL OF SPECIFIC TOXIC ORGANIC COMPOUNDS. NINE ORGANIC COMPOUNDS ENCOMPASSING A RANGE OF SOLUBILITY, VOLATILITY, BIODEGRADABILITY, AND ADSORPTIVE PROPERTIES WERE STUDIED ALONG WITH SELECTED COMMERCIAL POWDERED ACTIVATED CARBONS. THE STUDIES SHOWED THAT THE ADDITION OF LESS THAN 100MG/L POWDERED ACTIVATED CARBON DID NOT ENHANCE THE

REMOVAL OF THE BIODEGRADABLE COMPOUNDS BENZENE, TOLUENE, ETHYLBENZENE, O-XYLENE, CHLOROBENZENE, AND NITROBENZENE. SIGNIFICANTLY IMPROVED REMOVALS OF THE POORLY DEGRADABLE AND NON-BIODEGRADABLE COMPOUNDS 1, 2-DICHLOROBENZENE, 1, 2, 4-TRICHLOROBENZENE, AND LINDANE, OCCURRED AT INFLUENT POWDERED CARBON CONCENTRATIONS IN THE 12.5- TO 25-MG/L RANGE. INFLUENT POWDERED CARBON CONCENTRATIONS OF 100 MG/L EFFECTED OVERALL REMOVALS OF GREATER THAN 90%. THE ADDITION OF POWDERED ACTIVATED CARBON NOT ONLY REDUCED EFFLUENT CONCENTRATIONS BUT ALSO REDUCED THE AMOUNTS OF THE VOLATILE COMPOUNDS STRIPPED TO THE ATMOSPHERE.

AVAILABILITY: ENVIRONMENTAL QUALITY INSTRUCTIONAL RESOURCES CENTER, 1200 CHAMBERS ROAD, ROOM 310, COLUMBUS, OH 43212

IRIS ACCESSION NUMBER: EW013499

PUBLICATION DATE: JUN 85

TITLE: PUBLICATIONS BY THE STAFF OF THE GREAT LAKES ENVIRONMENTAL RESEARCH LABORATORY.

DESCRIPTOR: *CHEMICAL CHARACTERISTICS; *BIBLIOGRAPHIES; *BIOLOGY; *HYDROLOGY; *GREAT LAKES; *LAKES; *PHYSICAL CHARACTERISTICS; *RESEARCH REPORTS; *WATER QUALITY; *WATER QUALITY; *WATER RESOURCES; *WEATHER; *RESOURCE MANAGEMENT

DESCRIPTIVE NOTE: 103P. COMPLIMENTARY COPIES AVAILABLE AS LONG AS SUPPLY LASTS.

ABSTRACT: THIS DOCUMENT LISTS ALL PUBLICATIONS THAT INCLUDE GLERL SCIENTISTS AS AUTHORS AND WERE PUBLISHED FROM APRIL, 1974 THROUGH MARCH, 1985. THE PRIMARY LIST OF PUBLICATIONS IS ALPHABETIZED BY SENIOR AUTHOR, FOLLOWED BY A SECONDARY AUTHOR CROSS-REFERENCE AND FINALLY A LIST ALPHABETIZED BY TITLE.

AVAILABILITY: INFORMATION SERVICES, GREAT LAKES ENVIRONMENTAL RESEARCH LABORATORY, 2300 WASHTENAW AVENUE, ANN ARBOR, MI 48104

IRIS ACCESSION NUMBER: EW013500

PUBLICATION DATE: JUN 85

TITLE: SECOND ANNUAL NATIONAL OPERATOR TRAINING CONFERENCE.

DESCRIPTOR: *INSTRUCTION; *CONFERENCE PROCEEDINGS; *OPERATIONS (WASTEWATER); *OPERATOR TRAINING; *TRAINING; *USEPA; *WASTEWATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 132P.

ABSTRACT: THIS PUBLICATION CONTAINS THE PRESENTATIONS AND SOME OF THE DISCUSSIONS OF THE SECOND ANNUAL NATIONAL OPERATOR TRANING CONFERENCE HELD IN KANSAS CITY, MISSOURI IN 1985. MANY OF THE DISCUSSION ITEMS AND PRESENTATIONS ARE AS TYPED FROM TAPES AND CONTAIN SOME SPELLING ERRORS. THE FOCUS OF THE CONFERENCE WAS ON THE IMPROVEMENT OF WASTEWATER TREATMENT.

AVAILABILITY: KIRKWOOD COMMUNITY COLLEGE, ENVIRONMENTAL TRAINING CENTER, 6301 KIRKWOOD BLVD. S. W., P.O. BOX 2068, CEDAR RAPIDS, IA 52406

IRIS ACCESSION NUMBER: EW013501

PUBLICATION DATE: JUN 85

TITLE: SUPERFUND HANDBOOK.

PERSONAL AUTHOR: CASLER, JANE; RAMSEY, STEPHEN

DESCRIPTOR: *COMPLIANCE; *ENFORCEMENT; *CERCLA; HAZARDOUS WASTES; *HAZARDOUS MATERIALS; *LEGISLATION; *NATIONAL CONTINGENCY PLAN; *SUPERFUND; *USEPA; *HAZARDOUS WASTE SITES; *POLLUTION CONTROL; *PLANNING; *MANAGEMENT

DESCRIPTIVE NOTE: 107P.

ABSTRACT: THIS HANDBOOK IS A BRIEF GUIDE AND GENERAL OVERVIEW OF CERCLA ("SUPERFUND") AND THE NATIONAL CONTINGENCY PLAN (NCP). IT DOES NOT, HOWEVER, DEAL WITH CLEANUP OF SOIL SPILLS, THE ORIGINAL IMPETUS FOR THE NCP. RATHER, THE HANDBOOK FOCUSES ON FEDERAL SUPERFUND LEGISLATION AND ITS POTENTIAL IMPACTS ON THOSE RESPONSIBLE FOR SITES WHERE HAZARDOUS RELEASES HAVE OCCURRED, OR MAY OCCUR.

AVAILABILITY: ENVIRONMENTAL RESEARCH AND TECHNOLOGY, INC., 696 VIRGINIA ROAD, CONCORD, MASSACHUSETTS 01742, USA

IRIS ACCESSION NUMBER: EW013503

PUBLICATION DATE: JUL 85

TITLE: TARGETING EROSION CONTROL: BASEBOOK-METHODS AND DATA.

PERSONAL AUTHOR: HOOVER, HERBERT; AND OTHERS

DESCRIPTOR: *AGRICULTURE; *ALABAMA; *ATTITUDES; *EROSION CONTROL; *FARMS; *SOIL CONSERVATION; *OPERATIONS (FARMING); *MISSOURI; *RESEARCH REPORTS; *TENNESSEE; *SURVEYS; *WASHINGTON

DESCRIPTIVE NOTE: 219P.

ABSTRACT: THIS BASEBOOK PROVIDES DESCRIPTIVE INFORMATION ON THE DESIGN AND IMPLEMENTATION OF RESEARCH ON TARGETING EROSION CONTROL PROGRAMS AND EXTENSIVE TABULAR DATA FROM A SURVEY OF 709 FARM OPERATORS IN EIGHT COUNTIES IN ALABAMA, MISSOURI, TENNESSEE, AND WASHINGTON FROM NOVEMBER 1983 TO FEBRUARY 1984. DATA ARE PROVIDED ON FARM OPERATORS' USE OF SOIL CONSERVATION PRACTICES, THEIR REASONS FOR NOT ADOPTING PRACTICES, AND THEIR KNOWLEDGE OF AND PARTICIPATION IN THE TARGETING PROGRAM. THESE DATA INCLUDE THE AMOUNT OF TECHNICAL AND FINANCIAL ASSISTANCE PROVIDED TO SURVEYED FARM OPERATORS DURING 1980 AND FROM 1981 TO 1983.

AVAILABILITY: UNITED STATES DEPARTMENT OF AGRICULTURE,

IRIS ACCESSION NUMBER: EW013504

PUBLICATION DATE: JAN 83

TITLE: COMMUNITY RIGHT TO KNOW: HAZARDOUS MATERIALS DISCLOSURE INFORMATION SYSTEMS.

PERSONAL AUTHOR: SHERRY, SUSAN; PURIN, REGINA

DESCRIPTOR: COSTS; *DISCLOSURE ORDINANCES; *ENVIRONMENT; ENFORCEMENT; *HAZARDOUS MATERIALS; *INFORMATION SYSTEMS; *LOCAL ORDINANCES; *PUBLIC PARTICIPATION; MANAGEMENT; *PUBLIC EDUCATION; *PUBLIC HEALTH; *PROGRAM DESCRIPTIONS; *REGULATIONS; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 152P. PRICE: $12.00

ABSTRACT: THIS MANUAL HAS BEEN DEVELOPED AS PART OF A PREVENTIVE APPROACH TO ENVIRONMENTAL HEALTH PROBLEMS. DESIGNED FOR USE BY LOCAL ELECTED OFFICIALS, HEALTH AND SAFETY OFFICERS, EMERGENCY RESPONSE PERSONNEL AND COMMUNITY GROUPS, THE MANUAL DISCUSSES OPTIONS FOR DEVELOPING AND IMPLEMENTING HAZARDOUS MATERIALS DISCLOSURE INFORMATION SYSTEMS THROUGH LOCAL ORDINANCES. ALTHOUGH THE MANUAL WAS COMPILED TO ASSIST CALIFORNIA COMMUNITIES, APPROXIMATELY 75% OF THE INFORMATION IS GENERIC AND CAN EASILY BE APPLIED TO LOCALITIES OUTSIDE OF CALIFORNIA. THE MANUAL IS INTENDED TO ASSIST LOCAL COMMUNITIES IN DETERMINING THEIR NEED FOR INFORMATION ON THE HAZARDOUS MATERIALS USED AND HANDLED IN THEIR AREAS. THE HANDBOOK SUMMARIZES DISCLOSURE ORDINANCES ACROSS THE COUNTRY, PROVIDES SUGGESTIONS ON HAZARDOUS MATERIALS TO BE INCLUDED OR EXEMPTED IN AN ORDINANCE, PRESENTS MANUAL AND COMPUTERIZED POSSIBILITIES FOR MANAGING THE DISCLOSURE DATA, DISCUSSES PUBLIC EDUCATION ON DISCLOSURE, AND IDENTIFIES THE SPECIFIC COST OF VARIOUS PROGRAM DESIGNS. THE HANDBOOK APPENDICES CONTAIN A GLOSSARY OF TERMS, A COMPREHENSIVE BIBLIOGRAPHY, A TOXIC INFORMATION AND REFERRAL LIST AND OTHER DOCUMENTS RELEVANT TO LOCAL DISCLOSURE INFORMATION SYSTEMS.

AVAILABILITY: GOLDEN EMPIRE HEALTH PLANNING CENTER, 2100 21ST. STREET, SACRAMENTO, CA 95810

IRIS ACCESSION NUMBER: EW013505

PUBLICATION DATE: OCT 85

TITLE: HIGH TECH AND TOXICS: A GUIDE FOR LOCAL COMMUNITIES.

PERSONAL AUTHOR: SHERRY, SUSAN; AND OTHERS

DESCRIPTOR: *COMMUNITY PROBLEMS; *GOVERNMENT ROLE; *HAZARDOUS MATERIALS: *HIGH TECHNOLOGY; *LOCAL GOVERNMENT: *MANAGEMENT; *PLANNING; *PUBLIC HEALTH: *PROGRAM DESCRIPTIONS; *TECHNOLOGY; *TOXIC SUBSTANCES; *WASTE STORAGE; *WASTE MANAGEMENT; *WASTE DISPOSAL; *WASTE

TREATMENT

DESCRIPTIVE NOTE: 485P. PRICE: $21.95 PLUS 10% POSTAGE/HANDLING

ABSTRACT: HIGH TECHNOLOGY FREQUENTLY REQUIRES THE STORAGE, USE AND DISPOSAL OF A WIDE RANGE OF HAZARDOUS MATERIALS. ANY COMMUNITY WHICH LOOKS TO HIGH TECH INDUSTRY TO PLAY A MAJOR ROLE IN ITS STRATEGY FOR ECONOMIC GROWTH MUST BE PREPARED TO CAREFULLY MONITOR, MANAGE, CONTROL AND REGULATE HAZARDOUS MATERIALS. THERE ARE MANY PROGRAMS THAT CAN DRAMATICALLY DECREASE THE RISK OF PUBLIC EXPOSURE TO INDUSTRIAL CHEMICALS. THIS BOOK CONSIDERS MANY PROGRAMS THAT CAN BE ADOPTED AND IMPLEMENTED BY LOCAL GOVERNMENTS. MAJOR SECTIONS INCLUDE (1) TECHNOLOGY: OPPORTUNITIES, HAZARDS CHALLENGES; (2) FACING THE PROBLEM: THE FIRST STEP TOWARD FINDING SOLUTIONS; (3) THE HIGH TECH INDUSTRY: A HAZARDOUS MATERIALS PROFILE; (4) EVALUATING THE COMMUNITY HEALTH HAZARDS; (5) REDUCING THE HAZARDS: TECHNOLOGY AND MANAGEMENT PRACTICES; AND (6) OPPORTUNITIES FOR LOCAL GOVERNMENT.

AVAILABILITY: NATIONAL CENTER FOR POLICY ALTERNATIVES, 2000 FLORIDA AVENUE, N.W., RM. 408, WASHINGTON, D.C. 20009

IRIS ACCESSION NUMBER: EW013507

PUBLICATION DATE: SEP 85

TITLE: MICROBIOLOGICAL SKILLS FOR WATER AND WASTEWATER ANALYSIS.

PERSONAL AUTHOR: CLARK, DOUGLAS W.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *INSTRUCTIONAL MATERIALS; *LABORATORY EQUIPMENT; *LABORATORY PROCEDURES; *MICROBIOLOGY; *POSTSECONDARY EDUCATION; *SAFETY; *WASTEWATER TREATMENT; *WATER TREATMENT

DESCRIPTIVE NOTE: 79P. PRICE: $14.50

ABSTRACT: THIS HANDBOOK IS CONCERNED WITH THE PROPER CARE AND FEEDING OF MICROORGANISMS RECOVERED FROM WATER AND WASTEWATER SAMPLES. THE MICROORGANISMS MUST BE CULTURED AND IDENTIFIED TO DETERMINE NOT ONLY WHAT KINDS OF CELLS WERE PRESENT IN THE ORIGINAL SAMPLE, BUT ALSO WHAT CONCENTRATIONS THEY APPEARED IN. SECTIONS ARE INCLUDED ON EQUIPMENT AND SUPPLIES, MEDIA AND REAGENTS, WORKING WITH MICROORGANISMS, MEMBRANE FILTRATION, QUALITY ASSURANCE, AND LABORATORY SAFETY.

AVAILABILITY: NEW MEXICO WATER RESOURCES RESEARCH INSTITUTE, NEW MEXICO STATE UNIVERSITY, BOX 3167, LAS CRUCES, NEW MEXICO 88003-3167

IRIS ACCESSION NUMBER: EW013508

PUBLICATION DATE: 85

TITLE: STUDY AND INTERPRETATION OF THE CHEMICAL CHARACTERISTICS OF NATURAL WATER.

PERSONAL AUTHOR: HEM, JOHN D.

DESCRIPTOR: *CHEMICAL REACTIONS; *CHEMISTRY; *GEOCHEMISTRY; *CHEMICALS; *CHEMIAL PROPERTIES; *WATER; *WATER QUALITY; *ANALYTICAL TECHNIQUES; *LABORATORY PROCEDURES

DESCRIPTIVE NOTE: 276P. OVERHEADS INCLUDED

ABSTRACT: THIS IS THE THIRD EDITION OF THIS PUBLICATION. THE BOOK IS INTENDED TO SERVE AS AN INTRODUCTION TO THE TOPICS OF LOW TEMPERATURE AQUEOUS GEOCHEMISTRY AND OF APPLIED AND THEORETICAL WATER CHEMISTRY, AND AS AN AID TO HYDROLOGISTS AND HYDROGEOLOGISTS WHO MAY NEED TO EVALUATE WATER QUALITY AND INCORPORATE WATER CHEMISTRY INTO THEIR INVESTIGATIONS OF WATER RESOURCES.

AVAILABILITY: DISTRIBUTION BRANCH, TEXT PRODUCTS SECTION, U.S. GEOLOGICAL SURVEY, 604 SOUTH PICKETT ST., ALEXANDRIA, VA 22304

IRIS ACCESSION NUMBER: EW013511

PUBLICATION DATE: MAY 84

TITLE: PROCEEDINGS OF THE ELEVENTH ANNUAL CONFERENCE ON WETLANDS RESTORATION AND CREATION.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *DEVELOPMENT; LAND USE; *MANAGEMENT; *RESEARCH REPORTS; *WETLANDS; *WATER QUALITY; *WATER RESOURCES

DESCRIPTIVE NOTE: 206P. PRICE: $18.00

ABSTRACT: THIS PUBLICATION IS THE PROCEEDINGS OF THE 11TH ANNUAL CONFERENCE ON WETLANDS RESTORATION AND CREATION HELD IN 1984. THIRTEEN PAPERS ON VARIOUS TOPICS ARE INCLUDED. PAPERS RELATE TO THE RESTORATION, CREATION, AND MANAGEMENT OF FRESHWATER AND COASTAL SYSTEMS.

AVAILABILITY: HILLSBOROUGH COMMUNITY COLLEGE, P.O. BOX 22127, TAMPA, FL 33630

IRIS ACCESSION NUMBER: EW013522

PUBLICATION DATE: FEB 86

TITLE: OIL WATER SEPARATORS. 1970-FEBRUARY 1986 (CITATIONS FROM THE ENGINEERING INDEX DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *EQUIPMENT; *SEPARATORS; *OIL/WATER SEPARATORS; *OIL SPILLS; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 127P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-858065/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE UTILIZATION OF OIL-WATER SEPARATORS IN THE MARINE, MANUFACTURING, AND PETROCHEMICAL INDUSTRIES. GRAVITY SEPARATORS, COALESCERS, FILTERS, AND FLOTATION UNITS ARE

AMONG THE EQUIPMENT TYPES CONSIDERED. DESIGN CONSIDERATIONS, AND SYSTEM DESCRIPTIONS AND EVALUATIONS ARE PRESENTED. UTILIZATION OF A VARIETY OF DEVICES IN OIL SPILL CLEAN UP OPERATIONS IS DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 181 CITATIONS, 11 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013523

PUBLICATION DATE: JAN 86

TITLE: HAZARDOUS WASTE TREATMENT TECHNOLOGY.

DESCRIPTOR: *HAZARDOUS WASTES; *TECHNOLOGY; *WASTE DISPOSAL; *WASTE TREATMENT

DESCRIPTIVE NOTE: 78P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-145539/WEP

ABSTRACT: HAZARDOUS WASTE MAY BE STORED, TREATED AND DISPOSED IN A VARIETY OF WAYS. TREATMENT TECHNOLOGY EXISTS TODAY FOR DETOXIFICATION OR DESTRUCTION OF WASTES IN AN ENVIRONMENTALLY ACCEPTABLE MANNER THROUGH PHYSICAL, CHEMICAL AND BIOLOGICAL MEANS. THIS VOLUME COVERS SEVERAL COMMON ALTERNATIVE TECHNOLOGIES FOR TREATMENT OF HAZARDOUS WASTES AS WELL AS SEVERAL EMERGING ALTERNATIVE TECHNOLOGIES THAT SHOW PROMISE FOR FUTURE APPLICATION. THERMAL DESTRUCTION OF WASTES THROUGH INCINERATION, REACTION WITH MOLTEN GLASS, ETC., IS NOT INCLUDED AS PART OF THIS EFFORT. ALTERNATIVE TECHNOLOGIES ARE TAKEN TO BE THOSE THAT PROVIDE TREATMENT TECHNIQUES FOR WASTE OTHER THAT LANDFILLING, LANDFARMING, OR LAGOONING. THESE ALTERNATIVES ARE FUTHER SUBDIVIDED INTO EXISTING AND EMERGING TECHNOLOGIES DEPENDING ON WHETHER OR NOT THEY HAVE BEEN PROVEN IN FULL SCALE TESTS AND ADOPTED FOR COMMERCIAL USE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013524

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR TOLUENE (FINAL DRAFT).

PERSONAL AUTHOR: BECKER, J. M.: NEAL M. W.

DESCRIPTOR: *DRINKING WATER; *DRINKING WATER CRITERIA; *HEALTH EFFECTS; *REGULATIONS; *TOLUENE; USEPA; *TOXIC SUBSTANCES; *WATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 190P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-117975/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODM), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING

WATER CRITERIA DOCUMENT ON TOLUENE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF TOLUENE; TOXICOKINETICS AND HUMAN EXPOSURE TO TOLUENE; HEALTH EFFECTS OF TOLUENE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF TOLUENE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF TOLUENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013526

PUBLICATION DATE: SEP 84

TITLE: HEALTH EFFECTS ASSESSMENT FOR BENZO(A)PYRENE.

DESCRIPTOR: *BENZO(A)PYRENE; *HEALTH EFFECTS; *POLLUTION CONTROL; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 43P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-134335/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMIC TOXICANTS, OR Q(SUB 1) VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION ROUTES. A Q(SUB 1) WAS DETERMINED FOR BENZO(A)PYRENE BASED ON BOTH ORAL AND INHALATION EXPOSURE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013527

PUBLICATION DATE: SEP 84

TITLE: HEALTH EFFECTS ASSESSMENT FOR CHLORDANE.

DESCRIPTOR: *CHLORDANE; *HEALTH EFFECTS; *POLLUTION CONTROL; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 39P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-134343/WEP

ABSTRACT: THE DOCUMENT REPRESENTS A BRIEF, QUANTITATIVELY ORIENTED SCIENTIFIC SUMMARY OF HEALTH EFFECTS DATA. IT WAS DEVELOPED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE TO ASSIST THE OFFICE OF EMERGENCY AND REMEDIAL RESPONSE IN ESTABLISHING CHEMICAL-SPECIFIC HEALTH-RELATED GOALS OF REMEDIAL ACTIONS. IF APPLICABLE, CHEMICAL-SPECIFIC SUBCHRONIC AND CHRONIC TOXICITY INTERIM ACCEPTABLE INTAKES ARE DETERMINED FOR SYSTEMIC TOXICANTS, OR Q(SUB 1) VALUES ARE DETERMINED FOR CARCINOGENS FOR BOTH ORAL AND INHALATION ROUTES. A Q(SUB 1) WAS DETERMINED FOR CHLORDANE BASED ON ORAL EXPOSURE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013529

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: TRIMELLITE ANHYDRIDE.

PERSONAL AUTHOR: SANTODONATO, J.; AND OTHERS

DESCRIPTOR: *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; *OCCUPATIONAL HEALTH; *PUBLIC HEALTH; *TRIMELLITE ANHYDRIDE; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 29P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-149325/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013530

PUBLICATION DATE: 86

TITLE: ENVIRONMENTAL AND OCCUPATIONAL CARCINOGENESIS.

DESCRIPTOR: *BULLETINS; *CANCER; *CANCERGRAM; *CARCINOGENESIS; *ENVIRONMENT; *INFORMATION RESOURCES; *OCCUPATIONAL HEALTH; *PUBLIC HEALTH

DESCRIPTIVE NOTE: 12 ISSUES; SUBSCRIPTION; ORDER NO.: PB86-935200/WEP

ABSTRACT: THE EPIDEMIOLOGY-ORIENTED CANCERGRAM DEALS WITH BROAD ASPECTS OF THE ORIGIN OR SOURCE OF CANCER IN THE GENERAL POPULATION. THE SCOPE INCLUDES FACTORS SUCH AS GEOGRAPHIC REGION, ETHNIC ORIGIN, SOCIOECONOMIC CLASS, LIFESTYLE, EMOTIONAL HEALTH, AND PERSONAL HABITS WHICH MAY BE IMPLICATED IN THE DEVELOPMENT OF HUMAN CANCER. THE SCOPE ALSO INCLUDES SELECTED ARTICLES ON ENVIRONMENTAL POLLUTION, OCCUPATION, MEDICAL TREATMENT, PUBLIC POLICY, AND ENVIRONMENTAL SCREENING TESTS THAT HAVE SIGNIFICANCE FOR CARCINOGENESIS IN THE GENERAL POPULATION. THE CANCERGRAM GENERALLY EXCLUDES ARTICLES RELATING ONLY TO NARROW POPULATION GROUPS, AND SPECIFICALLY EXCLUDES DIETARY ASPECTS OF HUMAN CARCINOGENESIS, WHICH ARE COVERED IN CANCERGRAM

SERIES CK03.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013531

PUBLICATION DATE: 86

TITLE: RADIATION CARCINOGENESIS.

DESCRIPTOR: *BULLETINS; *CANCERGRAM; *CARCINOGENSIS; *CANCER; *INFORMATION DISSEMINATION; *PUBLIC HEALTH; *RADIATION; *INFORMATION RESOURCES

DESCRIPTIVE NOTE: 12 ISSUES; SUBSCRIPTION; ORDER NO.: PB86-935500/WEP

ABSTRACT: THE CANCERGRAM DEALS WITH ALL ASPECTS OF RADIATION CARCINOGENESIS. THE TERM 'RADIATION' HERE INCLUDES U-V RADIATION AND THE ENTIRE ELECTROMAGNETIC SPECTRUM, ELECTRON AND OTHER CHARGED PARTICLE BEAMS, NEUTRONS AND ALPHA AND BETA RADIATION FROM RADIOACTIVE SUBSTANCES. ABSTRACTS INCLUDED CONCERN RELATIONSHIPS BETWEEN RADIATION AND CARCINOGENESIS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013532

PUBLICATION DATE: SEP 85

TITLE: WATER QUALITY ASSESSMENT: A SCREENING PROCEDURE FOR TOXIC AND CONVENTIONAL POLLUTANTS IN SURFACE AND GROUND WATER. PART 3/REV 85

PERSONAL AUTHOR: MILLS, W. B.; AND OTHERS

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *CHEMICALS; *POLLUTANTS; *GROUNDWATER; *SCREENING PROCEDURES; *TRANSPORT; *TOXIC SUBSTANCES; *WATER QUALITY; *SURFACE WATERS

DESCRIPTIVE NOTE: 185P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-162195/WEP

ABSTRACT: NEW TECHNICAL DEVELOPMENT IN THE FIELD OF WATER QUALITY ASSESSMENT AND A RE-ORDERING OF WATER QUALITY PRIORITIES PROMPTED A REVISION OF THE FIRST TWO EDITIONS OF THIS MANUAL. THE UTILITY OF THE REVISED MANUAL IS ENHANCED BY THE INCLUSION OF METHODS TO PREDICT THE TRANSPORT AND FATE OF TOXIC CHEMICALS IN GROUND WATER AND TO PREDICT THE FATE OF METALS IN RIVERS. IN ADDITION, MAJOR REVISIONS ARE COMPLETED ON CHAPTERS 2, (ORGANIC TOXICANTS), 3 (WASTE LOADINGS), AND 5 (IMPOUNDMENTS) THAT REFLECT RECENT ADVANCEMENTS IN THESE FIELDS. APPLYING THE MANUALS'S SIMPLE TECHNIQUES, THE USER IS NOW CAPABLE OF ASSESSING THE LOADING AND FATE OF CONVENTIONAL POLLUTANTS (TEMPERATURE, BIOCHEMICAL OXYGEN DEMAND-DISSOLVED OXYGEN, NUTRIENTS, AND

SEDIMENTS) AND TOXIC POLLUTANTS (FROM THE LIST OF U.S. EPA PRIORITY POLLUTANTS) IN STREAMS, IMPOUNDMENTS, ESTUARIES, AND GROUND WATERS. THE TECHNIQUES ARE READILY PROGRAMMED ON HAND-HELD CALCULATORS OR MICROCOMPUTERS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013533

PUBLICATION DATE: SEP 85

TITLE: TECHNICAL SUPPORT DOCUMENT FOR WATER QUALITY-BASED TOXICS CONTROL.

PERSONAL AUTHOR: BRANDES, R.; AND OTHERS

DESCRIPTOR: *COMPLIANCE; *HAZARDOUS MATERIALS; *RISK ASSESSMENT; *STANDARDS; *PUBLIC HEALTH; *TOXIC SUBSTANCES; *WATER QUALITY

DESCRIPTIVE NOTE: 114P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-150067/WEP

ABSTRACT: THE REPORT PROVIDES GUIDANCE FOR EACH STEP IN THE WATER QUALITY-BASED TOXICS CONTROL PROCESS FROM SCREENING TO COMPLIANCE MONITORING; SECTION 1 DISCUSSES THE ADVANTAGES AND DISADVANTEGES OF TWO APPROACHES TO TOXICS CONTROL: TOXICITY TESTING AND CHEMICAL SPECIFIC ASSESSMENT; SECTION 2, WATER QUALITY CRITERIA AND STANDARDS, CONTAINS A BRIEF DISCUSSION OF WATER QUALITY STANDARDS AND THE DERIVATION OF AMBIENT CRITERIA TO ATTAIN AND MAINTAIN STANDARDS; SECTION 3, EFFLUENT CHARACTERIZATION, DESCRIBES PROCEDURES THAT PROVIDE THE DATA NEEDED TO MAKE DECISIONS REGARDING TOXIC IMPACT. A TWO-TIERED ASSESSMENT APPROACH IS RECOMMENDED; SECTION 4, HUMAN HEALTH HAZARD ASSESSMENT, DESCRIBES PROCEDURES FOR ASSESSING POTENTIAL HUMAN HEALTH HAZARDS ASSOCIATED WITH EFFLUENTS; SECTION 5, EXPOSURE ASSESSMENT, DESCRIBES PROCEDURES FOR ESTIMATING EXPOSURE TO TOXICANTS AND CALCULATING EFFLUENT REQUIREMENTS BASED ON AMBIENT CRITERIA AND EXPOSURE; AND SECTION 6, PERMIT REQUIREMENTS, DESCRIBES METHODS TO DEVELOP WATER QUALITY-BASED NPDES PERMITS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013534

PUBLICATION DATE: JAN 86

TITLE: IDENTIFICATION MANUAL FOR PHYTOPLANKTON OF THE UNITED STATES ATLANTIC COAST.

PERSONAL AUTHOR: MARSHALL, H. G.

DESCRIPTOR: *ATLANTIC COAST; *BOTANY; *INSTRUCTIONAL MATERIALS; *IDENTIFICATION KEYS; *MANUALS; *PHYTOPLANKTON

DESCRIPTIVE NOTE: 144P. PRICE CODE: PC A07/MF A01. ORDER

NO.: PB86-151222/WEP

ABSTRACT: THE IDENTIFICATION MANUAL IS DESIGNED FOR GENERAL USAGE BY INDIVIDUALS WHO HAVE NOT HAD FORMAL TRAINING IN PHYTOPLANKTON SYSTEMATICS OR ACCESS TO THE NUMEROUS KEYS AND TAXONOMIC REFERENCES USUALLY NECESSARY TO IDENTIFY MARINE PHYTOPLANKTON. THE MANUAL CONTAINS 173 SPECIES, REPRESENTING 9 TAXONOMIC GROUPS, THAT THE AUTHOR CONSIDERS AMONG THE MORE COMMON SPECIES FOUND ON THE UNITED STATES EASTERN COAST. THE USER IS ALSO PROVIDED WITH A LIST OF ADDITIONAL IDENTIFICATION REFERENCES FOR THE MAJOR TAXONOMIC GROUPS, PHYTOPLANKTON STUDIES FOR THE UNITED STATES EAST COAST, AND RECOMMENDED COLLECTION AND PREPARATION TECHNIQUES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013535

PUBLICATION DATE: SEP 85

TITLE: INSTITUTIONAL ARRANGEMENTS AND FINANCING ALTERNATIVES FOR STATE AND LOCAL WATER PROGRAMS.

PERSONAL AUTHOR: ZIEGLER, J. A.

DESCRIPTOR: ARKANSAS; *ECONOMICS; *FINANCING; *LOCAL ROLE; *STATE ROLE; *WATER PROJECTS

DESCRIPTIVE NOTE: 71P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-151719/WEP

ABSTRACT: THE STUDY ANALYZES ALTERNATIVE INSTITUTIONAL ARRANGEMENTS AND FINANCING ALTERNATIVES FOR WATER PROJECTS AT THE STATE AND LOCAL LEVELS WITH PARTICULAR EMPHASIS ON ARKANSAS. BECAUSE MOST WATER PROJECTS ARE FINANCED WITH DEBT IT CONCENTRATES ON ALTERNATIVES WHICH CAN REDUCE THE COST OF DEBT AND/OR RESULT IN MORE EFFICIENT USE OF EXISTING FACILITIES. SPECIFIC STATE OPTIONS CONSIDERED INCLUDE GRANTS, LOANS, REVOLVING FUNDS, DEBT GUARANTEE, BOND INSURANCE, BOND BANK, STATUTORY AND REGULATORY REFORM OF WATER LAWS AND WATER-RELATED INSTITUTIONS, AND PLANNING AND TECHNICAL ASSISTANCE. SPECIFIC LOCAL OPTIONS INCLUDE USE OF TAXES AND BONDS INCLUDING CREATIVE FINANCING, USER FEES, LEASING, PRIVITIZATION, AND FINANCIAL PLANNING.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013536

PUBLICATION DATE: SEP 85

TITLE: ECONOMIC IMPACT ANALYSIS OF EFFLUENT LIMITATIONS GUIDELINES AND STANDARDS FOR THE PESTICIDE CHEMICALS INDUSTRY.

DESCRIPTOR: CHEMICALS; *CHEMICAL INDUSTRY; *ECONOMICS; EFFLUENTS; *EFFLUENT GUIDELINES; GUIDELINES; *PESTICIDES; *STANDARDS; INDUSTRY; USEPA; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 161P. PRICE CODE: PC E10/MF A01. ORDER NO.: PB86-161767/WEP

ABSTRACT: THE U.S. ENVIRONMENTAL PROTECTION AGENCY ISSUED FINAL BAT/PSES/NSPS/PSNS EFFLUENT GUIDELINES AND STANDARDS FOR THE PESTICIDE CHEMICALS INDUSTRY IN SEPTEMBER 1985. THIS REPORT ESTIMATES THE ECONOMIC IMPACT OF WATER POLLUTION CONTROL EXPENDITURES IN TERMS OF PRICE AND PROFITABILITY CHANGES, EFFECTS ON PLANT AND LINE CLOSURES, EMPLOYMENT EFFECTS AND OTHER SECONDARY EFFECTS. A NET PRESENT VALUE METHODOLOGY WAS DEVELOPED TO ESTIMATE THE ECONOMIC IMPACT OF THESE REGULATIONS ON THE PESTICIDE ACTIVE INGREDIENT MANUFACTURERS, METALLO-ORGANIC MANUFACTURERS AND THE PESTICIDE FORMULATOR/PACKAGERS SUBCATEGORIES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013537

PUBLICATION DATE: FEB 86

TITLE: WASTEWATER AND WATER TREATMENT: ANION EXCHANGE. 1977-FEB 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATA BASE).

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ANION EXCHANGE; *ANION ANALYSIS; *OPERATIONS (WASTEWATER TREATMENT); *OPERATIONS (WATER TREATMENT); *WASTEWATER TREATMENT; *WATER TREATMENT

DESCRIPTIVE NOTE: 124P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB85-858297/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE THEORY, METHODS, AND APPLICATIONS OF ANION EXCHANGE IN THE TREATMENT OF POTABLE WATER AND WASTEWATER. TOPICS INCLUDE ANION EXCHANGE RESINS AND MEMBRANES, DESALINATION TECHNIQUES, AND PROCESS EVALUATIONS. METHODS FOR ANION ANALYSIS USING CHROMATOGRAPHIC TECHNIQUES ARE ALSO CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 122 CITATIONS, 16 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013538

PUBLICATION DATE: FEB 86

TITLE: WATER POLLUTION: UPTAKE OF HEAVY METALS BY SHELLIFISH AND MARINE PLANTS. 1974-FEB 1986 (CITATIONS FROM OCEANIC ABSTRACTS).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ECOLOGY; *HEAVY METALS; *MARINE BIOLOGY; *METALS; *PLANTS; *SHELLFISH; *WATER POLLUTION; ZOOLOGY

DESCRIPTIVE NOTE: 193P. PRICE CODE: PC N01/MF N01. ORDER

NO.: PB86-858719/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING HEAVY METALS CONTAMINATION OF SHELLFISH AND MARINE PLANTS. TOXICITY LEVELS AND THE LONG TERM EFFECTS ON THE ECOLOGY OF THE MARINE ENVIRONMENT ARE DISCUSSED. THE GROWTH RATE OF MARINE LIFE AS A FUNCTION OF METAL CONCENTRATION, AND THE LONG TERM EFFECTS ON THE FOOD CHAIN ARE ALSO CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 269 CITATIONS, 13 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013539

PUBLICATION DATE: FEB 86

TITLE: DDT, DDD, AND DDE PESTICIDES. 1977-FEB 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *DDD; *DDT; *DDE; *HEALTH; *ENVIRONMENTAL EFFECTS; *PESTICIDES; POLLUTION; *POLLUTION CONTROL; *SAFETY

DESCRIPTIVE NOTE: 216P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-858305/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING CONTAMINATION BY AND POLLUTION EFFECTS OF THE PESTICIDES DDD, DDT, AND DDE. TOPICS INCLUDE SITE STUDIES IN SPECIFIC AREAS, ACCUMULATION IN SOILS AND ORGANISMS, AND LABORATORY AND FIELD INVESTIGATIONS REGARDING EFFECTS ON PLANTS AND ANIMALS. SOME ATTENTION IS GIVEN TO OCCUPATIONAL EXPOSURE STUDIES AND TO MODELING THE FATE AND TRANSPORT OF THESE COMPOUNDS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 237 CITATIONS, 15 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013540

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CARBON BLACK.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CARBON BLACK; *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 44P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-152048/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF

THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013541

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: TITANIUM DIOXIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TITANIUM DIOXIDE; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 35P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-155074/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013542

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE; ASPHALT.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *ASPHALT: *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 44P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-155082/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013543

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: MERCAPTANS.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; *MERCAPTANS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 37P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-155090/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013544

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: HYDRAZINE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; *HYDRAZINE; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 48P. PRICE CODE: PC A03/MF A01. ORDER

.: PB86-155108/WEP

STRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF FORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF E CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED ROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE RIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO TEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC TERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO MPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN IS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE FORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE EMICAL.

AILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285
RT ROYAL ROAD, SPRINGFIELD, VA 22161

IS ACCESSION NUMBER: EW013545

BLICATION DATE: JUL 85

TLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE RKPLACE: PENTACHLOROPHENOL.

RSONAL AUTHOR: SANTODONATO, J.

SCRIPTOR: *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; CCUPATIONAL HEALTH; *PENTACHLOROPHENOL; *RISK ASSESSMENT; OXIC SUBSTANCES

SCRIPTIVE NOTE: 45P. PRICE CODE: PC A03/MF A01. ORDER
.: PB86-155116/WEP

STRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF FORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF E CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED ROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE RIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO TEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC TERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO MPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN IS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE FORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE EMICAL.

AILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285
RT ROYAL ROAD, SPRINGFIELD, VA 22161

IS ACCESSION NUMBER: EW013546

BLICATION DATE: JUL 85

TLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE RKPLACE: XYLENE.

RSONAL AUTHOR: SANTODONATO, J.

SCRIPTOR: *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; CCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES; YLENE

DESCRIPTIVE NOTE: 51P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-155124/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013547

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: STYRENE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; *OCCUPATIONAL HEALTH; *STYRENE; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 68P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-155132/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013548

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: CADMIUM.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CADMIUM; *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC

SUBSTANCES

DESCRIPTIVE NOTE: 48P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-155140/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013549

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: VINYL ACETATE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *CARCINOGENS; *HAZARDOUS MATERIALS; *OCCUPATIONAL HEALTH; *RISK ASSESSMENT; *TOXIC SUBSTANCES; *VINYL ACETATE

DESCRIPTIVE NOTE: 45P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-155157/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE. SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THIS REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013550

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: ZINC CHROMATE.

PERSONAL AUTHOR: SANTODONATO, J.

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*COMPOSTING	(2)	EW013356	EW0
*COMPUTER APPLICATIONS	(2)	EW013318	EW0
*COMPUTERS	(2)	EW013316	EW0
*CONFERENCE PROCEEDINGS	(2)	EW013500	EW0
*CONSTRUCTION	(5)	EW013303	EW0
CONSTRUCTION	(1)	EW013374	
*CONTAMINATION	(4)	EW013302	EW0
CONTAMINATION	(1)	EW013358	
*COST	(1)	EW013301	
*COSTS	(24) EW013340 EW013364 EW013491	EW013303 EW013341 EW013372	EW0 EW0 EW0
COSTS	(2)	EW013376	EW0
*CREOSOTE	(1)	EW013420	
*CRESOLS	(1)	EW013421	
*CROSS-CONNECTIONS	(3)	EW013322	EW0
*DATA ACQUISITION SYSTEMS	(1)	EW013316	
*DATABASES	(2)	EW013462	EW0
*DATA COLLECTION	(3)	EW013316	EW0
*DDD	(1)	EW013539	
*DDE	(1)	EW013539	
*DDT	(1)	EW013539	
*DEGRADATION	(1)	EW013329	
*DEMONSTRATION PLANTS	(1)	EW013342	
*DESALINATION	(5)	EW013474	EW0
*DESIGN	(17) EW013380 EW013492	EW013305 EW013474 EW013494	EW0 EW0

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W013332



W013533

W013493

W013338

W013318

W013511

W013348   EW013350   EW013356   EW013488


W013307   EW013326   EW013328




W013304   EW013310   EW013326   EW013333   EW013335   EW013339
W013345   EW013348   EW013349   EW013354   EW013355   EW013356
W013388   EW013474   EW013475   EW013476   EW013477   EW013488

W013504



W013331   EW013332


W013463

W013317   EW013318







W013475   EW013476   EW013477   EW013478

W013328   EW013341   EW013344   EW013346   EW013348   EW013356
W013475   EW013476   EW013477   EW013478   EW013488   EW013489
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DESIGN (1) EW013374
*DETECTION (1) EW013472
*DETENTION PONDS (1) EW013352
*DEVELOPMENT (1) EW013511
*DIAZINON (1) EW013422
*DICHLORVOS (1) EW013423
*DIETHYL SULFATE (1) EW013424
*DIMETHYLFORMAMIDE (1) EW013425
*DIPHENYL (1) EW013426
*DISCLOSURE ORDINANCES (1) EW013504
*DISCOUNTS (1) EW013371
*DISINFECTION (3) EW013344
*DRINKING WATER (7) EW013357
*DRINKING WATER CRITERIA (1) EW013524
*ECOLOGY (1) EW013538
*ECONOMICS (4) EW013376
*EDUCATION (1) EW013551
*EDUCATION PROGRAMS (1) EW013331
*EFFLUENT GUIDELINES (1) EW013536
EFFLUENTS (1) EW013536
*ENERGY (1) EW013490
*ENERGY CONSERVATION (4) EW013474
*ENERGY PRODUCTION (2) EW013370
*ENERGY RECOVERY (1) EW013497
*ENFORCEMENT (1) EW013501
ENFORCEMENT (1) EW013504
*ENTERIC PATHOGENS (1) EW013495
*ENVIRONMENT (6) EW013459
ENVIRONMENT (3) EW013393
*ENVIRONMENTAL ASSESSMENT (1) EW013393
*ENVIRONMENTAL EFFECTS (2) EW013402
*ENVIRONMENTAL HEALTH (1) EW013484

EW013358 EW013389
EW013358 EW013359 EW013360 EW013361 EW013404 EW013524

EW013535 EW013536 EW013551

EW013475 EW013476 EW013490
EW013376

EW013460 EW013461 EW013481 EW013504 EW013530
EW013466 EW013472

EW013539

*ENVIRONMENTAL IMPACT	(2)	EW013405	EW
*ENVIRONMENTAL IMPACTS	(5)	EW013459	EW
*ENZYMES	(1)	EW013329	
*EPICHLOROHYDRIN	(1)	EW013427	
*EQUIPMENT	(25)	EW013306	EW
	EW013314	EW013317	EW
	EW013356	EW013372	EW
	EW013497	EW013522	
*EROSION CONTROL	(1)	EW013503	
*ETHYLBENZENE	(1)	EW013396	
*ETHYLENE DIBROMIDE	(1)	EW013428	
*ETHYLENE GLYCOL ETHERS	(1)	EW013429	
*ETHYLENE OXIDE	(1)	EW013430	
*EUTROPHIC LAKES	(1)	EW013390	
*EVALUATION	(2)	EW013377	EW
*EYEWEAR	(1)	EW013386	
*FACILITIES	(22)	EW013320	EW
	EW013354	EW013357	EW
	EW013465	EW013474	EW
FACILITIES	(1)	EW013319	
*FARMS	(1)	EW013503	
*FECAL COLIFORM	(1)	EW013375	
*FEDERAL ROLE	(1)	EW013383	
*FIELD STUDIES	(2)	EW013317	EW
*FIELD TERMINALS	(1)	EW013317	
*FIELD TESTS	(1)	EW013469	
*FILTRATION	(1)	EW013359	
FILTRATION	(1)	EW013319	
*FINANCING	(2)	EW013333	EW
*FLOW REGULATORS	(1)	EW013373	
*FLUID FLOW	(1)	EW013309	
*FLUIDIZED BED COMBUSTORS	(1)	EW013497	
*FOOD PROCESSING	(1)	EW013392	
*GENERAL MOTORS	(1)	EW013340	
*GEOCHEMISTRY	(1)	EW013500	

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EW013466
EW013460  EW013481  EW013482  EW013483



EW013307  EW013308  EW013309  EW013311  EW013312  EW013313
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EW013386  EW013392  EW013461  EW013467  EW013473  EW013476



EW013378


EW013333  EW013335  EW013341  EW013342  EW013348  EW013349
EW013359  EW013362  EW013369  EW013370  EW013374  EW013376
EW013475  EW013476  EW013477  EW013478  EW013494



EW013468



EW013535
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*GEO FLOWMETER	(1)	EW013309
*GEOLOGY	(1)	EW013317
*GEORGIA	(1)	EW013362
*GLYCIDYL ETHERS	(1)	EW013433
*GOVERNMENT ROLE	(1)	EW013505
*GRANULAR ACTIVATED CARBON	(2)	EW013339
*GRAVITY SEPARATORS	(1)	EW013320
*GRAVITY SEWERS	(1)	EW013488
*GREAT LAKES	(1)	EW013499
*GROUNDWATER	(23)	EW013302
	EW013309	EW013310
	EW013317	EW013318
*GROUP DYNAMICS	(1)	EW013324
*GUIDANCE MANUALS	(1)	EW013465
*GUIDELINES	(4)	EW013379
GUIDELINES	(1)	EW013536
*HALOGENATED ORGANIC COMPOUNDS	(1)	EW013482
*HAZARDOUS MATERIALS	(16)	EW013501
	EW013542	EW013543
	EW013550	
*HAZARDOUS WASTES	(4)	EW013391
HAZARDOUS WASTES	(1)	EW013501
*HAZARDOUS WASTE SITES	(1)	EW013501
*HEALTH	(61)	EW013381
	EW013406	EW013407
	EW013414	EW013415
	EW013423	EW013424
	EW013431	EW013432
	EW013439	EW013440
	EW013447	EW013448
	EW013455	EW013456
HEALTH	(1)	EW013397
*HEALTH ASSESSMENT AUDIT	(1)	EW013381
*HEALTH EFFECTS	(65)	EW013395
	EW013407	EW013408
	EW013415	EW013416
	EW013423	EW013424
	EW013431	EW013432
	EW013439	EW013440
	EW013447	EW013448

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EW013357




EW013303  EW013304  EW013305  EW013306  EW013307  EW013308
EW013311  EW013312  EW013313  EW013314  EW013315  EW013316
EW013326  EW013328  EW013480  EW013486  EW013487  EW013532



EW013393  EW013471  EW013489



EW013504  EW013505  EW013529  EW013533  EW013540  EW013541
EW013544  EW013545  EW013546  EW013547  EW013548  EW013549

EW013465  EW013523  EW013551



EW013383  EW013395  EW013396  EW013398  EW013399  EW013401
EW013408  EW013409  EW013410  EW013411  EW013412  EW013413
EW013416  EW013417  EW013418  EW013419  EW013421  EW013422
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EW013441  EW013442  EW013443  EW013444  EW013445  EW013446
EW013449  EW013450  EW013451  EW013452  EW013453  EW013454
EW013457  EW013458  EW013471  EW013539



EW013396  EW013397  EW013398  EW013399  EW013401  EW013406
EW013409  EW013410  EW013411  EW013412  EW013413  EW013414
EW013417  EW013418  EW013419  EW013420  EW013421  EW013422
EW013425  EW013426  EW013427  EW013428  EW013429  EW013430
EW013433  EW013434  EW013435  EW013436  EW013437  EW013438
EW013441  EW013442  EW013443  EW013444  EW013445  EW013446
EW013449  EW013450  EW013451  EW013452  EW013453  EW013454
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	EW013455 EW013526	EW013456 EW013527	EW0
*HEALTH RISKS	(1)	EW013471	
*HEAT TREATMENT	(1)	EW013489	
*HEAVY METALS	(1)	EW013538	
HEAVY METALS	(1)	EW013400	
*HERBICIDES	(1)	EW013382	
*HEXACHLOROETHANE	(1)	EW013434	
*HIGH TECHNOLOGY	(1)	EW013505	
*HOMES	(1)	EW013492	
*HUMAN RELATIONS	(1)	EW013324	
*HYDRAULICS	(1)	EW013553	
*HYDRAZINE	(1)	EW013544	
*HYDROGEOLOGY	(1)	EW013317	
*HYDROLOGY	(2)	EW013480	EW0
*HYDROQUINONE	(1)	EW013435	
*IDENTIFICATION KEYS	(1)	EW013534	
*INCINERATION	(2)	EW013369	EW0
*INCINERATORS	(1)	EW013497	
*INDUSTRIAL USE	(1)	EW013348	
*INDUSTRIAL WASTES	(7)	EW013321	EW0
*INDUSTRY	(5)	EW013341	EW0
INDUSTRY	(2)	EW013402	EW0
*INFORMATION DISSEMINATION	(2)	EW013531	EW0
*INFORMATION RESOURCES	(2)	EW013530	EW0
*INFORMATION SYSTEMS	(1)	EW013504	
*INNOVATIONS	(1)	EW013391	
*INSECTICIDES	(1)	EW013402	
*INSITUFORM	(1)	EW013355	
*INSTRUCTION	(1)	EW013500	
*INSTRUCTIONAL MATERIALS	(4)	EW013301	EW0
*INSTRUMENTATION	(7)	EW013309	EW0
*INSTRUMENTS	(1)	EW013304	

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3457   EW013458   EW013482   EW013483   EW013485   EW013524





3499


3497


3335   EW013345   EW013346   EW013403   EW013467   EW013551
3383   EW013392   EW013459   EW013461
3536
3551
3531




3484   EW013507   EW013534
3310   EW013311   EW013312   EW013313   EW013314   EW013318
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*INTERACTIVE VIDEODISCS	(1)	EW013301
INTERCHANNEL CLARIFICATION	(1)	EW013319
*INVENTORIES	(2)	EW013462
*IN-VESSEL COMPOSTING	(1)	EW013356
*ION EXCHANGE	(1)	EW013400
*ION EXCHANGE RESINS	(1)	EW013400
*ISOPROPYL ALCOHOL	(1)	EW013431
*JOINT LEAKS	(1)	EW013351
LABOR	(1)	EW013380
*LABORATORY EQUIPMENT	(1)	EW013507
*LABORATORY PROCEDURES	(6)	EW013360
LABORATORY PROCEDURES	(1)	EW013375
LAGOONS	(1)	EW013319
*LAKES	(3)	EW013390
*LAND APPLICATION	(2)	EW013405
*LANDFILLS	(1)	EW013326
LAND USE	(1)	EW013511
*LASER RADIATION	(1)	EW013401
*LASERS	(1)	EW013401
*LEACHATE	(1)	EW013491
*LEACHATE DETECTION	(1)	EW013491
*LEAD	(1)	EW013436
*LEAK DETECTION	(2)	EW013351
*LEGISLATION	(1)	EW013501
*LIABILITIES	(1)	EW013323
*LINDANE	(1)	EW013437
*LOCAL GOVERNMENT	(1)	EW013505
*LOCAL ORDINANCES	(1)	EW013504
*LOCAL ROLE	(1)	EW013535
*MAINTENANCE	(7)	EW013327
MAINTENANCE	(1)	EW013372
*MALATHION	(2)	EW013402

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W013463

W013384   EW013460   EW013469   EW013507   EW013508

W013464   EW013499
W013470

W013375

W013336   EW013340   EW013354   EW013355   EW013373   EW013489

W013438
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*MANAGEMENT (15) EW013324 E
EW013378 EW013380 E

MANAGEMENT (1) EW013504

*MANHOLE ENTRY (1) EW013363

*MANHOLES (1) EW013363

*MANUALS (3) EW013486 E

*MARINE BIOLOGY (1) EW013538

MARYLAND (1) EW013374

*MATERIALS PRODUCTION (1) EW013301

*MEETINGS (1) EW013324

*MEGALUG (1) EW013334

*MEMBRANES (3) EW013336 E

*MERCAPTANS (1) EW013543

*MERCURY (1) EW013397

*METALS (5) EW013321 E

*METHANE (1) EW013307

*METHYLENE CHLORIDE (1) EW013439

*MICROBES (1) EW013329

*MICROBIOLOGY (3) EW013329 E

*MICROCOMPUTERS (1) EW013318

*MINING (2) EW013459 E

*MINNESOTA (1) EW013369

*MISSOURI (1) EW013503

*MODELS (1) EW013479

*MOISTURE (1) EW013311

*MONITORING (14) EW013304 E
EW013313 EW013314 E

MONITORING (1) EW013464

*MONITORING WELLS (3) EW013303 E

*MONITORS (1) EW013304

*MUNICIPALITIES (1) EW013492

*MUNICIPAL WASTES (1) EW013467

*NAPHTHALENE (1) EW013398

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EW013325  EW013333  EW013357  EW013362  EW013364  EW013365
EW013464  EW013472  EW013479  EW013501  EW013505  EW013511




EW013487  EW013534









EW013341  EW013359



EW013346  EW013403  EW013440  EW013538



EW013493  EW013507

EW013480






EW013305  EW013306  EW013307  EW013308  EW013310  EW013312
EW013316  EW013318  EW013387  EW013404  EW013466

EW013308  EW013309
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*NATIONAL CONTINGENCY PLAN (1) EW013501
*NEW YORK (2) EW013338 EW

*NICKEL (1) EW013440

*NIOSH (1) EW013471

*NITRATES (1) EW013342

*NITROANILINES (1) EW013441

*NITROPROPANES (1) EW013456

*OBSERVATIONS (1) EW013365

*OCCUPATIONAL HEALTH (69) EW013383 EW
EW013412 EW013413 EW
EW013420 EW013421 EW
EW013428 EW013429 EW
EW013436 EW013437 EW
EW013444 EW013445 EW
EW013452 EW013453 EW
EW013529 EW013530 EW
EW013546 EW013547 EW

*OHIO (2) EW013357 EW

*OIL (3) EW013460 EW

*OIL SHALE (1) EW013459

*OIL SPILLS (3) EW013460 EW

*OIL/WATER SEPARATORS (1) EW013522

*OPERATIONS (1) EW013350

*OPERATIONS (FARMING) (1) EW013503

*OPERATIONS (FOOD PROCESSING) (1) EW013392

*OPERATIONS (SOLID WASTES) (1) EW013374

*OPERATIONS (WASTE TREATMENT) (2) EW013391 EW

*OPERATIONS (WASTEWATER) (18) EW013319 EW
EW013364 EW013365 EW
EW013497 EW013498 EW

*OPERATIONS (WASTEWATER TREATMENT) (2) EW013494 EW

*OPERATIONS (WATER) (12) EW013339 EW
EW013474 EW013475 EW

*OPERATIONS (WATER TREATMENT) (1) EW013537

*OPERATOR TRAINING (1) EW013500

*OPINIONS (1) EW013340

*ORDINANCES (2) EW013322 EW

*ORGANIC COMPOUNDS (2) EW013359 EW

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EW013364




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EW013422   EW013423   EW013424   EW013425   EW013426   EW013427
EW013430   EW013431   EW013432   EW013433   EW013434   EW013435
EW013438   EW013439   EW013440   EW013441   EW013442   EW013443
EW013446   EW013447   EW013448   EW013449   EW013450   EW013451
EW013454   EW013455   EW013456   EW013457   EW013458   EW013471
EW013540   EW013541   EW013542   EW013543   EW013544   EW013545
EW013547   EW013548   EW013549   EW013550

EW013372

EW013461   EW013490


EW013461   EW013522





EW013467

EW013320   EW013321   EW013345   EW013346   EW013348   EW013356
EW013389   EW013473   EW013488   EW013489   EW013495   EW013496
EW013500

EW013537

EW013342   EW013357   EW013358   EW013359   EW013361   EW013388
EW013476   EW013477   EW013478



EW013332

EW013482
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OVERLAND FLOW (1) EW013319
*OXIDATION (1) EW013496

*OXIDATION SYSTEMS (1) EW013489

*PACKAGE TREATMENT PLANTS (1) EW013343

*PARAQUAT (1) EW013457

*PARATHION (1) EW013446

*PATHOGENS (1) EW013495

*PCBS (4) EW013323 EW0

*PENTACHLORONITROBENZENE (1) EW013447

*PENTACHLOROPHENOL (1) EW013545

*PERFORMANCE APPRAISAL (3) EW013325 EW0

*PERFORMANCE EVALUATION (18) EW013305 EW0
EW013378 EW013388 EW0
EW013495 EW013497 EW0

*PERMIT WRITERS (1) EW013465

*PERSONNEL (4) EW013325 EW0

*PESTICIDES (4) EW013402 EW0

*PHENOL (2) EW013335 EW0

*PHOSGENE (1) EW013448

*PHYSICAL CHARACTERISTICS (1) EW013499

*PHYTOPLANKTON (1) EW013534

*PILOT PLANTS (1) EW013478

*PILOT STUDIES (2) EW013357 EW0

*PIPE JOINTS (1) EW013334

*PIPELINES (1) EW013349

*PIPES (2) EW013334 EW0

*PLANNING (4) EW013302 EW0

PLANNING (2) EW013380 EW0

*PLANTS (1) EW013538

*PLATE SEPARATORS (1) EW013320

*POLICIES (1) EW013551

*POLLUTANTS (4) EW013462 EW0

POLLUTION (3) EW013466 EW0

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W013377   EW013378

W013335   EW013338   EW013339   EW013359   EW013360   EW013374
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W013498

W013377   EW013378   EW013381

W013483   EW013536   EW013539

W013399




W013496



W013351

W013356   EW013501   EW013505

W013464




W013463   EW013487   EW013532

W013472   EW013539
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*POLLUTION CONTROL (16) EW013302 EW0
EW013460 EW013461 EW0
EW013539

*POLYCHLORINATED BIPHENYLS (3) EW013466 EW0

*POLYVINYL CHLORIDE (1) EW013485

*POSTSECONDARY EDUCATION (2) EW013484 EW0

*PRESSURE Valves (1) EW013331

*PRETREATMENT (1) EW013321

*PREVENTIVE MAINTENANCE (2) EW013327 EW0

*PRIVATIZATION (1) EW013333

*PROGRAM DESCRIPTIONS (2) EW013504 EW0

*PROGRAM DEVELOPMENT (1) EW013380

*PROJECT DESCRIPTIONS (1) EW013362

*PROPOSALS (1) EW013379

*PROPOSAL WRITING (1) EW013379

*PUBLIC EDUCATION (1) EW013504

*PUBLIC HEALTH (8) EW013375 EW0
EW013533

*PUBLIC PARTICIPATION (1) EW013504

*PUMP STATIONS (2) EW013348 EW0

*PYRIDINE (1) EW013449

*RADIATION (2) EW013401 EW0

RADIOACTIVE WASTES (1) EW013400

*RANGELAND (1) EW013387

*RECOMMENDATIONS (1) EW013391

RECREATION (1) EW013464

*RECYCLING (4) EW013341 EW0

*REDI (2) EW013462 EW0

*REFUSE (1) EW013370

*REFUSE DERIVED FUEL (1) EW013370

*REGULATIONS (11) EW013322 EW0
EW013465 EW013483 EW0

*REHABILITATION (1) EW013355

*REMOTE SENSING (1) EW013472

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EW013306  EW013322  EW013323  EW013326  EW013376  EW013459
EW013466  EW013468  EW013472  EW013501  EW013526  EW013527

EW013467  EW013468

EW013507

EW013373

EW013505

EW013383  EW013504  EW013505  EW013529  EW013530  EW013531

EW013364

EW013531

EW013370  EW013403  EW013490
EW013463

EW013323  EW013326  EW013332  EW013358  EW013383  EW013393
EW013504  EW013524
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*RENOVATIONS (1) EW013354
*RESEARCH (3) EW013313 EW01

*RESEARCH REPORTS (7) EW013405 EW01

*RESERVOIRS (2) EW013354 EW01

*RESINS (1) EW013400

*RESOURCE MANAGEMENT (1) EW013499

*RESOURCE RECOVERY (7) EW013374 EW01

*REVERSE OSMOSIS (3) EW013336 EW01

*RISK ASSESSMENT (69) EW013323 EW01
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EW013418 EW013419 EW01
EW013426 EW013427 EW01
EW013434 EW013435 EW01
EW013442 EW013443 EW01
EW013450 EW013451 EW01
EW013458 EW013529 EW01
EW013545 EW013546 EW01

*ROADSIDE DEVELOPMENT (1) EW013470

*SAFETY (7) EW013350 EW01

*SAMPLERS (2) EW013304 EW01

*SAMPLING (9) EW013304 EW01
EW013316 EW013469

*SANITARY LANDFILLS (1) EW013326

*SAUDI ARABIA (5) EW013474 EW01

*SCREENING PROCEDURES (3) EW013486 EW01

*SEDIMENTS (2) EW013468 EW01

*SEPARATORS (1) EW013522

*SEPTIC TANKS (1) EW013491

*SERVICE CHARGES (1) EW013371

*SERVICE CONTRACTS (1) EW013340

SERVICE RATES (1) EW013376

*SEWAGE SLUDGE (3) EW013470 EW01

*SEWER BACKUPS (1) EW013373

SEWER LEAKS (1) EW013375

*SEWER OVERFLOWS (1) EW013362

*SEWER RATES (1) EW013371

*SEWERS (7) EW013355 EW01

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013464



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013395   EW013404   EW013406   EW013407   EW013408   EW013409
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013428   EW013429   EW013430   EW013431   EW013432   EW013433
013436   EW013437   EW013438   EW013439   EW013440   EW013441
013444   EW013445   EW013446   EW013447   EW013448   EW013449
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013363   EW013386   EW013401   EW013471   EW013507   EW013539
013305
013306   EW013307   EW013310   EW013312   EW013313   EW013314



013475   EW013476   EW013477   EW013478
013487   EW013532
013553









013473   EW013493










013362   EW013363   EW013372   EW013373   EW013375   EW013488
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*SHELLFISH (1) EW013538
*SITE EVALUATION (2) EW013302 EW

*SLUDGE (10) EW013349 EW
EW013496 EW013497 EW

*SLUDGE CONDITIONING (1) EW013489

*SLUDGE DIGESTION (1) EW013495

*SOIL ABSORPTION SYSTEMS (1) EW013492

*SOIL CONSERVATION (1) EW013503

*SOIL POLLUTION (1) EW013384

*SOILS (3) EW013311 EW

*SOLAR ENERGY (5) EW013474 EW

*SOLERAS (2) EW013477 EW

*SOLIDS CONTACT FACILITIES (1) EW013494

*SOLID WASTES (4) EW013369 EW

*STANDARDS (2) EW013533 EW

*STATE ROLE (1) EW013535

*STATE STANDARDS (1) EW013342

*STORAGE (1) EW013465

STORM SEWERS (1) EW013375

*STORM WATER (2) EW013352 EW

*STORM WATER MANAGEMENT MODEL (1) EW013479

*STORS (1) EW013490

*STRESS (1) EW013381

*STRIP MINING (1) EW013480

*STYRENE (1) EW013547

*SUPERFUND (1) EW013501

*SURFACE RUNOFF (3) EW013352 EW

*SURFACE WATER (2) EW013486 EW

*SURFACE WATERS (1) EW013532

*SURGE PLUNGERS (1) EW013308

*SURVEYS (1) EW013503

*SWMM (1) EW013479

*SYSTEM ANALYSIS (1) EW013338

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EW013498





EW013405  EW013468

EW013475  EW013476  EW013477  EW013478

EW013478


EW013370  EW013374  EW013376

EW013536





EW013479






EW013362  EW013479

EW013487
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*TECHNOLOGY (13) EW013319 EW0
EW013391 EW013490 EW0

*TELEMENTRY SYSTEMS (1) EW013314

*TEMPERATURE (1) EW013361

*TEMPERATURE VALVES (1) EW013331

*TENNESSEE (1) EW013503

*TETRACHLOROETHYLENE (1) EW013450

*THERMAL CONDITIONING (1) EW013489

*THM (1) EW013388

*TITANIUM DIOXIDE (1) EW013541

*TOLUENE (2) EW013452 EW0

*TOXICITY (1) EW013323

*TOXICOLOGY (1) EW013484

*TOXIC SUBSTANCES (84) EW013329 EW0
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EW013487 EW013498 EW0
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EW013546 EW013547 EW0

*TOXIC WASTES (1) EW013405

*TRACE ELEMENTS (1) EW013384

*TRACE POLLUTION (1) EW013384

*TRAINING (2) EW013381 EW0

TRAINING (1) EW013380

*TRAINING PROPOSALS (1) EW013379

*TRANSIOMETER (1) EW013311

*TRANSPORT (1) EW013532

*TRICHLOROACETIC ACID (1) EW013360

*TRICHLOROETHYLENE (1) EW013451

*TRICKLING FILTERS (1) EW013494

*TRIHALOMETHANE (1) EW013388

*TRIHALOMETHANES (2) EW013358 EW0

*TRIMELLITE ANHYDRIDE (1) EW013529

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W013524



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W013440   EW013441   EW013442   EW013443   EW013444   EW013445
W013448   EW013449   EW013450   EW013451   EW013452   EW013453
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W013548   EW013549   EW013550



W013500






W013361
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*TURPENTINE (1) EW013458
*UNIONS (1) EW013380

*URBAN AREAS (1) EW013352

*USEPA (3) EW013465 EW

USEPA (2) EW013524 EW

*VALVES (1) EW013331

*VIDEODISCS (1) EW013301

*VINYL ACETATE (1) EW013549

*VINYL CHLORIDE (1) EW013485

*VIRGINIA (1) EW013354

*WASHINGTON (2) EW013470 EW

*WASTE DISPOSAL (17) EW013315 EW
EW013374 EW013376 EW
EW013505 EW013523

*WASTE GENERATION (1) EW013551

*WASTE MANAGEMENT (1) EW013505

*WASTE REDUCTION (1) EW013551

*WASTE STORAGE (1) EW013505

*WASTE TREATMENT (11) EW013315 EW
EW013467 EW013473 EW

*WASTEWATER COLLECTION (11) EW013348 EW
EW013373 EW013375 EW

*WASTEWATER PIPES (1) EW013351

*WASTEWATER SLUDGE (1) EW013356

*WASTEWATER TREATMENT (28) EW013319 EW
EW013346 EW013349 EW
EW013489 EW013490 EW
EW013497 EW013498 EW

*WATER (1) EW013508

*WATER DEMAND (1) EW013340

*WATER DISTRIBUTION (3) EW013322 EW

*WATER INTERACTION (1) EW013553

*WATER LEVEL (2) EW013313 EW

*WATER PIPES (2) EW013334 EW

*WATER POLLUTION (4) EW013384 EW

*WATER POLLUTION CONTROL (13) EW013302 EW

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EW013536





EW013503

EW013321   EW013326   EW013329   EW013349   EW013369   EW013370
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EW013505   EW013523

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EW013479   EW013488



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EW013500   EW013507   EW013537


EW013331   EW013332


EW013314

EW013351

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*WATER PRESSURE (1) EW013312

*WATER PROJECTS (1) EW013535

*WATER QUALITY (36) EW013302 EW0
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EW013508 EW013511 EW0

*WATER RATES (3) EW013338 EW0

*WATER RESOURCES (12) EW013311 EW0
EW013474 EW013475 EW0

*WATERSHEDS (1) EW013387

*WATER STORAGE (1) EW013354

*WATER SUPPLY (9) EW013302 EW0
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*WATER TREATMENT (24) EW013320 EW0
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*WATER USE (2) EW013338 EW0

*WEATHER (1) EW013499

*WEED CONTROL (1) EW013382

*WEEDS (1) EW013382

*WELLS (2) EW013303 EW0

*WELL WATER (1) EW013342

*WETLANDS (1) EW013511

*XYLENE (1) EW013546

*ZINC CHROMATE (1) EW013550

ZOOLOGY (1) EW013538

*1,2-DICHLOROETHANE (1) EW013444

*1,2-DICHLOROPROPANE (1) EW013445

*1,3-BUTADIENE (1) EW013443

*1,4-DIOXANE (1) EW013442

*2,4-DINITROTOLUENE (1) EW013453

*2,6-DICHLORO-4-NITROANILINE (1) EW013454

*4,4-METHYLENEDIANILINE (1) EW013432

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W013524   EW013532   EW013533

W013340   EW013371

W013314   EW013316   EW013318   EW013387   EW013390   EW013464
W013476   EW013499   EW013511



W013303   EW013304   EW013305   EW013340   EW013354   EW013387

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W013371



W013308
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